

Genware version 5.1.4
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us-09-026-459a-28.rni

January 16, 2003, 15:20:22 : Search time 70.8983 Seconds
(without alignments)
14944.909 Million cell updates/sec

us-09-026-459a-28

Perfect score: 3455
Sequences: 1 60307ATGACAGACAGAGG.....AAATGAGGATTAATGAT 3455

Scoring table: IDENTITY NUC
Gapop 10.0 : Gapext 1.0

Searched: 44162 seqs, 15558381 residues

Total number of hits satisfying chosen parameters: 88274

Minimum DB Seq length: 0
Maximum DB Seq length: 2000000000

Post processing: Minimum Match 0%
Maximum Match 100%
List first 45 summaries

Database : Issued Patents, NAs*
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2: /cmap2/6/ptdata/1/ina/6A-COMB-seq*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	4222.4	94.3	4232	1	US 08 048 760 1 Sequence 1, Appl
2	4222.4	94.3	4232	1	US 08 048 760 2 Sequence 2, Appl
3	4222.4	94.3	4232	2	US 08 470 091 1 Sequence 1, Appl
4	4222.4	94.3	4232	2	US 08 470 091 2 Sequence 2, Appl
5	2765	79.7	2994	1	US 08 204 439 2 Sequence 2, Appl
6	2765	79.7	2994	2	US 08 482 627 4 Sequence 4, Appl
7	2765	79.7	2994	3	US 08 801 092 4 Sequence 3, Appl
8	2765	79.7	2994	4	US 08 315 113 4 Sequence 3, Appl
9	2765.4	79.7	2994	5	PCT US94/10457 1 Sequence 1, Appl
10	2762	79.7	2995	2	US 08 956 648 7 Sequence 7, Appl
11	2759.4	79.6	2995	3	US 08 328 674 7 Sequence 7, Appl
12	68.8	4.0	2888	1	US 07 708 962 1 Sequence 1, Appl
13	68.2	4.0	3249	1	US 08 106 493A 1 Sequence 1, Appl
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16	68.2	4.0	4853	2	US 08 842 887 1 Sequence 1, Appl
17	65.6	3.9	2408	2	US 08 152 7218 1 Sequence 1, Appl
18	59	1.7	7218	1	US 08 242 463 14 Sequence 14, Appl
19	51	1.5	3747	4	US 09 213 2940 2 Sequence 2, Appl
20	44.6	1.3	1803	4	US 09 134 001C 799 Sequence 799, App
21	44.6	1.3	15463	4	US 08 961 527 139 Sequence 139, App
22	44.4	1.3	20674	4	US 09 641 638 651 Sequence 651, App
23	44	1.3	19124	2	US 08 487 826B 13 Sequence 13, Appl
24	43.8	1.3	1056	4	US 09 134 001C 1550 Sequence 1550, Ap
25	43.2	1.3	509	4	US 09 939 007 202 Sequence 202, App
26	43.2	1.3	509	4	US 09 605 245 202 Sequence 202, App
27	43.2	1.3	509	4	US 09 446 413 202 Sequence 202, App

28	43.2	1.3	509	4	US 09 452 616A 202 Sequence 202, App
29	43.2	1.3	509	4	US 09 242 149A 202 Sequence 202, App
30	43	1.2	5852	1	US 07 867 106 2 Sequence 2, Appl
31	42.8	1.2	615	4	US 08 998 416 186 Sequence 186, App
32	42.6	1.2	1189	1	US 08 307 591 2 Sequence 2, Appl
33	42.6	1.2	2636	4	US 09 214 827B 4 Sequence 4, Appl
34	42.4	1.2	1186	2	US 08 741 722 5 Sequence 5, Appl
35	42	1.2	665	2	US 08 883 755A 46 Sequence 46, Appl
36	42	1.2	1864	4	US 09 468 265 4 Sequence 4, Appl
37	41.8	1.2	1679	4	US 09 406 060 1 Sequence 1, Appl
38	41.4	1.2	19124	2	US 08 487 826B 13 Sequence 13, Appl
39	41.2	1.2	821	4	US 08 998 416 186 Sequence 186, App
40	41.2	1.2	837	4	US 08 998 416 288 Sequence 288, App
41	41.2	1.2	2030	2	US 08 755 937 7 Sequence 7, Appl
42	40.6	1.2	860	4	US 08 998 416 287 Sequence 287, App
43	40.6	1.2	4878	2	US 08 963 022 3 Sequence 3, Appl
44	40.6	1.2	6265	4	US 09 129 112 3 Sequence 3, Appl
45	40.6	1.2	12124	1	US 08 161 271A 56 Sequence 56, Appl

ALIGNMENTS

RESULT 1
US-08 038 760-1
Sequence 1, Application US/08048760
Patent No. 5496741
GENERAL INFORMATION:
APPLICANT: Xu, Hong-Ji
APPLICANT: Bi, Shi Xue
TITLE OF INVENTION: B: at Stem Cell Differentiation and Gene Therapy
NUMBER OF INVENTION: Methods for tumor suppressor gene therapy
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/048,760
FILING DATE: 19940325
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Fossand, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 7409-025-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 750-5090
FAX: (212) 869 3741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3232 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 19..2469
US-08 038 760-1

Query Match: 94.3%, Score 4222.4, db 1, Length 4232
Best Local Similarity: 100.0%, Fred. No. 0
Matches 3232, Conservative 1, Models 0

[illegible][illegible]

RESULT B
 US-09 415 114-4
 : Sequence 3, Application US/09415114
 : Patent No. 6379927
 : GENERAL INFORMATION:
 : APPLICANT: ADELPHI, DONALDAS
 : GREGORY, RICHARD J.
 : WILS, KENNETH N.
 : TITLE OF INVENTION: Tissue Specific Expression of
 : Retinolactama Protein
 : NUMBER OF SEQUENCES: 46
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: TOWNSEND AND TOWNSEND AND CROW 11
 : STREET: Two Embarcadero Center, 4th Floor
 : CITY: San Francisco
 : STATE: CA
 : COUNTRY: USA
 : ZIP: 94111
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compat 16b
 : OPERATING SYSTEM: PC DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.1
 : CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/315,113
FILING DATE: 19-May-1999
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/801,092
FILING DATE: <unknown>
ATTORNEY/AGENCY INFORMATION:
NAME: FLEIS, ROYCE A.
REGISTRATION NUMBER: 45,146
REFERENCE/DOCK#FT NUMRP: 016940-001020
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 703-576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2994 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MULTIPLE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 3.

Query Match 79.78; Score 2755; DB 4; length 2994;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 2755; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 COUNTRY: USA
2 ZIP: 19102
3 COMPUTER READABLE FORM:
4 MEDIUM TYPE: Floppy disk
5 COMPUTER: IBM PC compatible
6 OPERATING SYSTEM: PC-DOS/MS-DOS
7 SOFTWARE: Patent in Release #1.0, Version #1.30
8 CURRENT APPLICATION DATA:
9 APPLICATION NUMBER: US/08/832,883
10 FILING DATE:
11 CLASSIFICATION: 445
12 AGENCY/AGENT INFORMATION:
13 NAME: Medaco, Daniel A.
14 REGISTRATION NUMBER: 30,480
15 REFERENCE/SECRET NUMBER: 8321-13 US1
16 TELEPHONE: (215) 568-8383
17 TELEFAX: (215) 568-5549
18 INFORMATION FOR SEQ ID NO: 1:
19 SEQUENCE CHARACTERISTICS:
20 LENGTH: 4853 base pairs
21 TYPE: nucleic acid
22 STRANDEDNESS: double
23 topology: linear
24 molecule type: cDNA
25 FEATURE:
26 NAME/KEY: CDS
27 LOCATION: 70..3489
28 OS: 08 832 883-1

Query March 2, 2003; Score 68.2; DB 1; Length 4853;
Best Local Similarity 53.0%; Pred. No. 1.4e-06;
Matches 170; Conservative 0; Mismatches 148; Indels 3; Gaps 1;
29 1825 AGAAAGGATTCGAAATCACTGCTTTTCAGTGTGTTTATAAAAAGTATCGGCTAGGCT 1882
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34 2669 AAATCTGAGCTGTGTTTGAATTCCTATATTCAGTGTCTGAACTTATGATGGACAGAC 2728
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Search completed: January 17, 2003, 18:19:19
Job time: 107.898 secs

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73	93		
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82	102	AGCAAAAGCATTAATTAATCTCTTTCTTCTTATTAATAAAGTGTATPCTGAGTCA	2109
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86	106	GATATATCCCGCAAAATACATTTGCTCAACGCCCTTCGCTCAGCACCCAGCAATTAGAA	2169
87	107		
88	108	HisIleIleSerTrpThrLeuPheLeuHisThrLeuGlnAsnGlnTyrGlnIleMetArgAsp	601
89	109		
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[illegible]

RESIST 3

```

: 08-08-801-092-3
: Sequence 3, Application US/08801092
: Patent No. 6074850
: GENERAL INFORMATION:
: APPLICANT: Autelman, Douglas J.
: APPLICANT: Gregory, Richard J.
: APPLICANT: Wills, Kenneth N.
: TITLE OF INVENTION: Tissue Specific Expression of
: TITLE OF INVENTION: Relictastoma Protein
: NUMBER OF SEQUENCES: 46
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
: STREET: Two Embarcadero Center, 8th Floor
: CITY: San Francisco
: STATE: CA
: COUNTRY: USA
: ZIP: 94111
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent in Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/801,092
: FILING DATE: 14-FEB-1997

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10 2150 TCAATCAAAATTTTCAAAATTCACAAACATTTTCAATGATGCTTTATGCGC 2091
11 494 CysAlaLeuValValMetAlaThrTyrSerArgSerThrSerGluAsnLeuAspSer 412
12 1010 AATCATGATGATGTAACAGCAGCGGTGCTTCAAAAGAGGTGCTGAAAGAGATCACT 951
13 2090 TGAAGCTTTGAGGTTGTAATGAGGCAATATAGCAGAGTACATCTCAGAAATCTTATCT 2031
14 414 GlyThrAspLeuSerProThrProThrLeuAsnValLeuAsnLeuValAlaPheAspPhe 432
15 2040 GGAAGACATTTGCTTGGATGATGCTGAAATGCTTAATTTTAAAAAGCTTGATTT 1971
16 414 TyrLeuValIleLeuSerPheIleLeuAlaGluGlyAsnLeuThrArgPheMetIlePhe 452
17 1970 TCAAAAGTGAATCAAAATTTTCAAAAGCAGAGGCAACCTCAGCAGAGAAATGATAAA 1911
18 414 HisLeuValArgCysGluAsnIleAlaMetGluSerLeuAlaIlePheLeuSerAspSerPro 472
19 1910 CATTTAAAGATGTCAGATCAATCAATCATGGAATGCTTGCATGCTCTCAATTCACCT 1851
20 474 LeuPheAspLeuIleLysGlnSerLysAspArgGluGlyProThrAspHisLeuSer 492
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26 534 GluThrGlnAlaIleSerAlaPheGlnThrGlnLysProLeuLysSerThrSerLeuSer 552
27 1670 GAAAGACAGCTAGGCTTCAGAGCGGAGAAAGCAATGAAATCTAGCTCTTCTTCA 1611
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34 614 TyrGlyIleCysLysValLysAsnIleAspLeuLysPheLysIleIleValThrAlaTyr 632
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45 1130 CTGAAGAGTCAATAAATAATTTAGAGAGTCTCCAGAGCAACAGCAAAATGACTCCAGA 1071
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19 RESULT 10
20 US 08-470-091-1
21 : Sequence 1, Application US/08470091
22 : Patent No. 5912246
23 : GENERAL INFORMATION:
24 : APPLICANT: Xu, Hong-li
25 : APPLICANT: Hu, Shi-Xue
26 : APPLICANT: Henedict, William F.
27 : TITLE OF INVENTION: Broad-Spectrum Tumor Suppressor Genes, Gene Products and
28 : METHODS FOR Tumor Suppressor Genes Therapy.
29 : NUMBER OF SEQUENCES: 3
30 : CORRESPONDENCE ADDRESS:
31 : ADDRESSES: Pennic & Edmonds
32 : STREET: 1155 Avenue of the Americas
33 : CITY: New York
34 : STATE: New York
35 : COUNTRY: U.S.A.
36 : ZIP: 10036-2711
37 : COMPUTER READABLE FORM:
38 : MEDIUM TYPE: Floppy disk
39 : COMPUTER: IBM PC compatible
40 : OPERATING SYSTEM: PC-DOS/MS-DOS
41 : SOFTWARE: Patent In Release #1.0, Version #1.25
42 : CURRENT APPLICATION DATA:
43 : APPLICATION NUMBER: US/08/470,091
44 : FILING DATE: JUN-16-1995
45 : CLASSIFICATION: 514
46 : PRIOR APPLICATION DATA:
47 : APPLICATION NUMBER: US/08/048,760
48 : FILING DATE:
49 : ATTORNEY/AGENT INFORMATION:
50 : NAME: POISSANT, Brian M.
51 : REGISTRATION NUMBER: 28,462
52 : REFERENCE/DECKET NUMBER: 7409-025-999
53 : TELECOMMUNICATION INFORMATION:
54 : TELEPHONE: (212) 790-9090
55 : TELEFAX: (212) 869-9741/8864
56 : TELEX: 66141 PENNIE
57 : INFORMATION FOR SEQ ID NO: 1:
58 : SEQUENCE CHARACTERISTICS:
59 : LENGTH: 3232 base pairs
60 : TYPE: nucleic acid
61 : STRANDEDNESS: double
62 : TOPOLOGY: not relevant
63 : MOLECULE TYPE: DNA
64 : FEATURE:
65 : NAME/KEY: CDS
66 : LOCATION: 19..2469
67 : US-08-470-091-1
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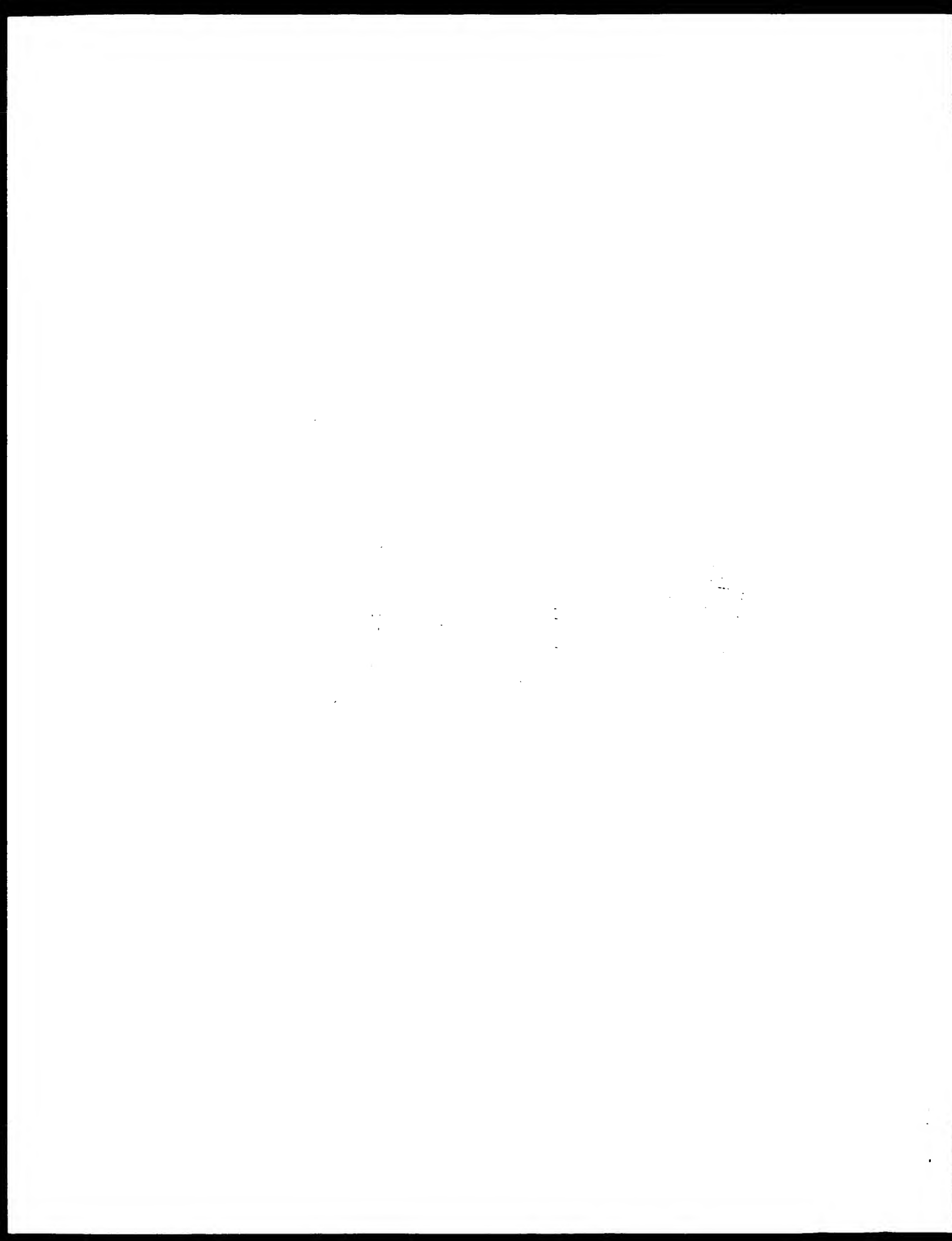
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Search completed: January 19, 2004, 05:25:01
 Job time : 166.329 secs



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Version 5.1.3

M problem complete source, using frame plus v2n model

January 18, 2004, 04:12:19 ; Search time 02.7902 seconds
(without alignments)
5491.080 Million cell updates

$$H^1(\mathcal{O}_Y) = H^1(\mathcal{O}_X) = H^1(\mathcal{O}_Z) = H^1(\mathcal{O}_W) = 0$$

4757

SUMMARY

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Sequences: 441 162 5005. 15448881 10541105

[illegible]

MANUSCRIPTS RECEIVED FOR REVIEW

CONFIDENTIAL - NOT FOR PUBLICATION

[illegible]

listing first 45 summaries

Submitted: 11/10/2010

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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[IN][S-bits] = SIAR[1];
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-MATH(X-biosum)

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MODE LOCAL. INTENT pto NORM-ext -HEAPS17F-500 -MINI:FN

N0_XLLYX N0_MMMP LARGEQUERY -NEG_SCORES-0 -WAIT -LONG

$$Y_1(A)^{n_1} = 10 - Y_1(A)^{n_1} X_1 = 0.5 - 10 Y_1(A)^{n_1} X_1 = 7$$

ISSN 0013-788X

2

4. *Journal of the American Medical Association*, 1964, 191: 1111-1112.

(6) $\text{C}(\text{H}_2\text{O})_n$

Prod. No. is the number of results predicted by c

and is derived by algebra of the total score and the total score divided by the total number of items.

SUMMARY

Summary

No. 50000 March 1900 117

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$4.49 \cdot 10^{-5}$	6.65°	0.001	2.62	$^{\circ}$
$4.49 \cdot 10^{-5}$	6.65°	0.001	2.62	$^{\circ}$

3	4 39.7	100.0	29.4	45-08	80.1	2.0
4	4 39.7	100.0	10.4	4	100.0	2.5
5	4 39.7	100.0	2.0	4	100.0	1.2

5	4/97	100,0	2995	2	15-08-95	638-7
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$$c = 421.8 \text{ K} \quad ; \quad 423.2 \text{ K} \quad ; \quad 425.08 \pm 0.48 - 740 - 2$$

11	4213	87.8	3242	2	05-08-479 091 2
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Printed. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

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4	4.791	100.0	2.994	4	US-08	959	Sequence 7, April
5	4.793	99.9	2.994	5	US-10	10457	Sequence 1, April
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DB 830 ACACCAAGCAAAAAACCAAAATCAATCATAGTATGAAATATCTTCAAAACAAAGAAATAA 771

RESULT 12
US-08-832-884-1
: Sequence 1, Application US/0884288
: Patent No. 5807681
: GENERAL INFORMATION:
: APPLICANT: Giordano, Antonio
: APPLICANT: Baldi, Alfonso
: TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS
: TITLE OF INVENTION: OF CANCER
: NUMBER OF SEQUENCES: 115
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SEIDEL, GONDA, LAVORNA & MINATO, P.C.
: STREET: Suite 1800 Two Penn Center Plaza
: CITY: Philadelphia
: STATE: PA
: COUNTRY: USA
: ZIP: 19102
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/832,884
: FILING DATE:
: CLASSIFICATION: 4.5
: ATTORNEY/AGENT INFORMATION:
: NAME: Monaco, Daniel A
: REGISTRATION NUMBER: 30,480
: REFERENCE/EXCERPT NUMBER: 8421 15 US1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (215) 568-8483
: TELEFAX: (215) 568-5549
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4854 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 70..4859
: US-08-832-884-1

Alignment Scores:
Prod. No.: 3,440-73 Length: 4853
Score: 844.00 Matches: 294
Percent Similarity: 48.10% Conservative: 171
Best Local Similarity: 24.06% Mismatches: 470
Query Match: 17.49% Indels: 484
DB: 1
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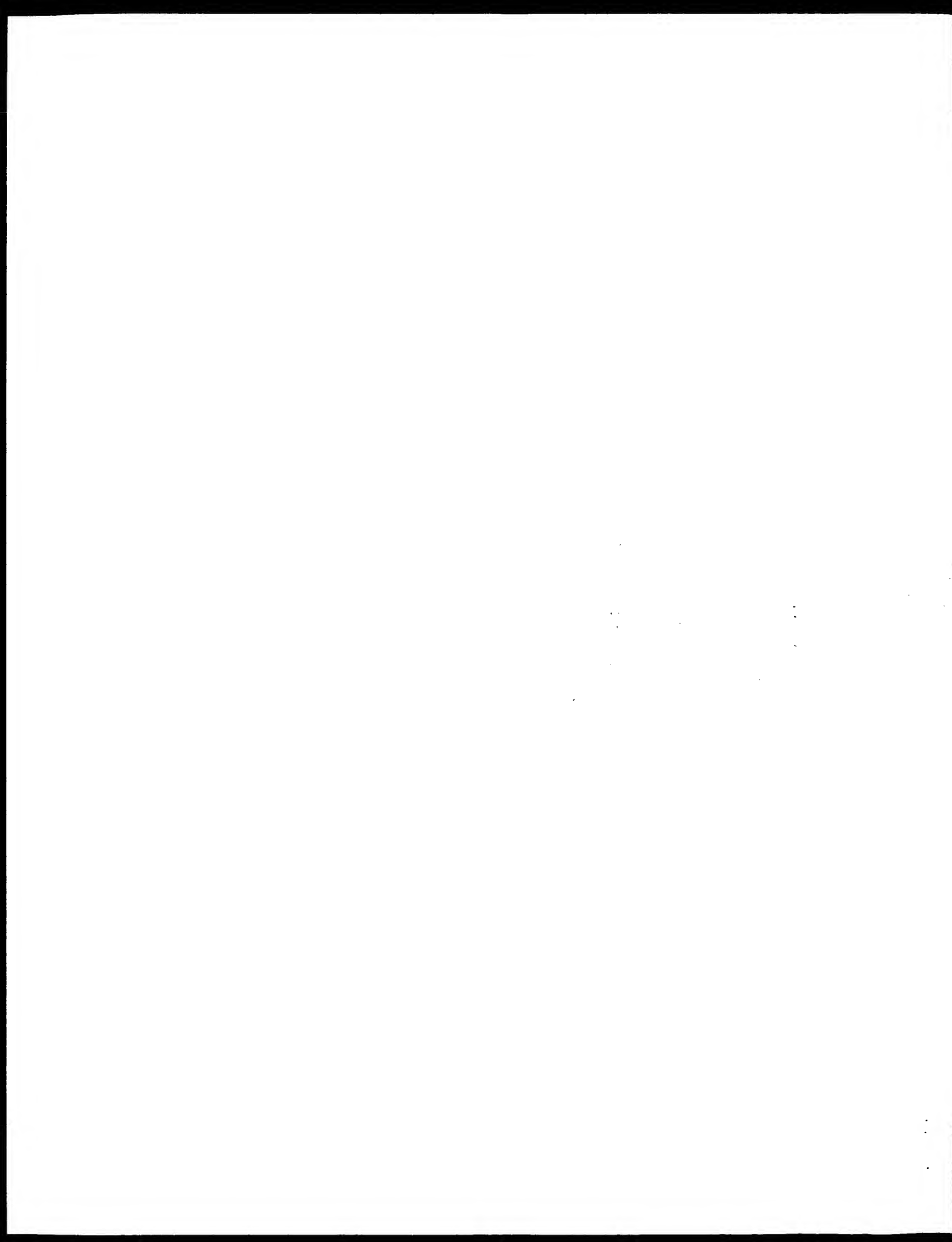

115 : 17-708 962-1

Adjusted Scores:

Prod. No.:	5,946-67	length.	2808
Start:	36,784	Matches:	247
Period:	39,000	Conservative:	130
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Query Match:	16.01%	Indels:	440
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US 09-026 459A 2 (1-928) x US-07-708-962-1 (1-2808)

[illegible]



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CM nucleic nucleic search, using SW model

Run on: January 16, 2003, 15:20:22 ; Search time 67.0199 Seconds
(without alignments)
14944.906 Million cell updates/sec

Matrix: US 09 026 459A 34

Perfect score: 3266

Sequences: 1 GCAATGACGCTTTCGGGAAAT.....AAATGAGGATTAATGATACAT 3266

Scoring table: IDENTITY NNW

Gapop 10, 0 ; Gapext 1, 0

Searches: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum db seq length: 0

Maximum db seq length: 2000000000

Post processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : 1: /usr2/seqdata/1/100/5A_CMBH seq.*

2: /usr2/seqdata/1/100/5A_CMBH seq.*

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5: /usr2/seqdata/1/100/5A_CMBH seq.*

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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	Lib ID	Description
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8	2565	78.5	2994	4	US-09-415-113-3
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26	43.2	1.3	509	4	US-09-695 785 202
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ALIGNMENTS

RESULT 1
US-08-048-760-1
Sequence 1, Application US/08048760
Patent No. 5456731
GENERAL INFORMATION:
APPLICANT: Xu, Hong-Ji
APPLICANT: Hu, Shi-Xue
APPLICANT: Hecotet, William F.
TITLE OF INVENTION: Broad Spectrum Anti-2-4-6-Trisubstituted Phenylamine Derivatives and Methods for Their Synthesis
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennic & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,760
FILING DATE: 19940325
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 7409-025-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869 9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3232 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 19...2469
US-08-048-760-1

Query Match 98.7%, Score 4222.4, Lib 1, Length 3232
Best local Similarity 100.0%, Prod. No. 0;
Matches 3223, Conservative 0; Mismatches 1; Gaps 0;

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19 464 CAACTGAAACACCCAGGCGACGTCAGAACAGGAGTCAGGATAGCAAAACACACAGAA 522
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APPLICATION NUMBER: 09/106,494
FILING DATE: AUGUST 12, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Monaco, Daniel A.
REGISTRATION NUMBER: 40,480
REFERENCE/DOCKET NUMBER: 6056 188 D11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-8483
TELEFAX: (215) 568-5549
TELEX: No. 5542440
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3249 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US 08 429 264 1

Query Match 2.1% Score 68.2; DB 1; Length 3249;
Best Local Similarity 53.0%; Pred. No. 1.5e 06;
Matches 170; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

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QY 1814 AATTTGAGGATTAATGATGCTTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1873
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QY 1934 TCAAAAGCTTTTTCAGACAG 1954
DB 2609 ATAGAGGCTTTTTCAGACAG 2629

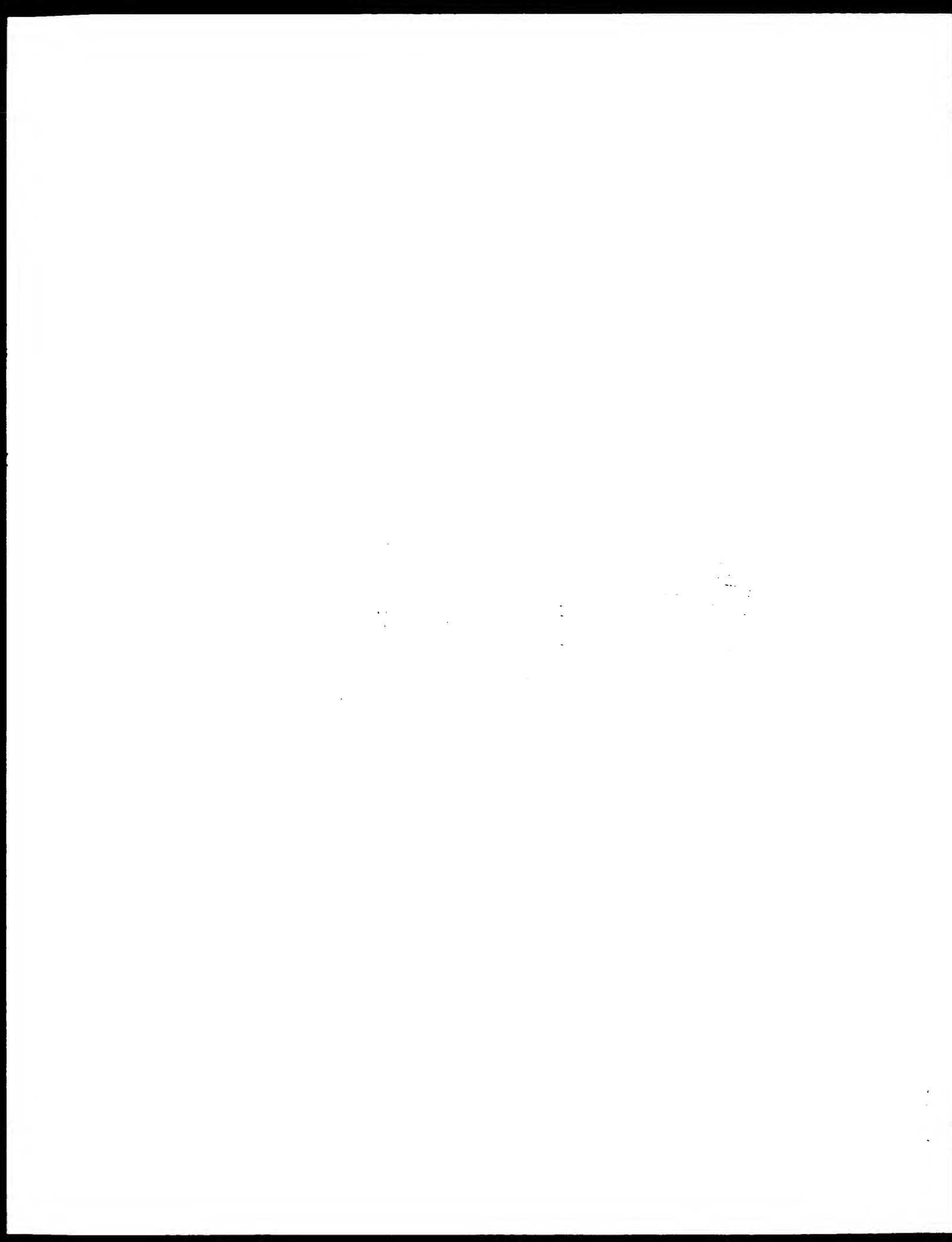
RESULT 15
US 08 842 884 1
Sequence 1, Application US/08842883
Patent No. 5807681
GENERAL INFORMATION:
APPLICANT: Giordano, Antonio
APPLICANT: Baldo, Alphonso
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS
TITLE OF INVENTION: OF CANCER
NUMBER OF SEQUENCES: 115
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEIHEL, GENA, LAVORGNA & MONACO, P.C.
STREET: SUITE 1800 Two Penn Center Plaza
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM pc compatible
OPERATING SYSTEM: pc DOS/MS DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,884
FILING DATE:
CLASSIFICATION: 445

ATTORNEY/AGENT INFORMATION:
NAME: Monaco, Daniel A.
REGISTRATION NUMBER: 40,480
REFERENCE/DOCKET NUMBER: 6421 13 US1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-8484
TELEFAX: (215) 568-5549
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4853 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: Linear
FEATURE:
NAME/KEY: CDS
LOCATION: 70..3489
US-08-842-884-1

Query Match 2.1% Score 68.2; DB 1; Length 4853;
Best Local Similarity 53.0%; Pred. No. 1.7e-06;
Matches 170; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

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QY 1694 AATGAGGATTAATGATGCTTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1754
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QY 1814 AATGAGGATTAATGATGCTTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1874
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QY 1874 TAAATTCAGATTTTAAAGATATACAGATATACAGATATACAGATATACAGATATAC 1944
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QY 1934 TCAAAAGCTTTTTCAGACAG 1954
DB 2849 ATAGAGGCTTTTTCAGACAG 2869

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Job time : 109.02 secs



Genware version 5.1.3
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AM protein nucleic search, using frame-plus p2n model

Run on: January 18, 2003, 04:12:19 : Search time 48.41 seconds

(without alignments)

5491.080 Million cell updates/sec

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Perfect score: 4372
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FaaPop 6.0 : FaaPop 7.0

DelPop 6.0 : DelPop 7.0

Searches: 441362 Seqs 15434401 Residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

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Post processing: Minimum Match 0%

Maximum Match 100%

Listing first 4% summaries

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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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8	4.67	99.9	2994	8	US-08-294-329-2 Sequence 4, Appl
9	4.67	99.9	2994	9	US-08-294-329-2 Sequence 5, Appl
10	4.67	99.9	2994	10	US-08-294-329-2 Sequence 6, Appl
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17	745.5	17.1	3249	2	US-08-294-329-2	Sequence 1, Appl
18	516.5	11.8	4747	4	US-09-404-627-1	Sequence 1, Appl
19	516.5	11.8	4747	5	US-09-404-627-1	Sequence 1, Appl
20	159.5	3.6	4593	4	US-09-404-627-1	Sequence 1, Appl
21	159.5	3.6	4593	5	US-09-404-627-1	Sequence 1, Appl
22	155.5	3.6	3763	1	US-07-792-8650-1	Sequence 1, Appl
23	151	3.5	5893	1	US-08-592-126-54	Sequence 54, Appl
24	151	3.5	5893	2	US-08-592-126-54	Sequence 54, Appl
25	147.5	3.4	6773	4	US-09-166-450-27	Sequence 27, Appl
26	147.5	3.4	6773	5	US-09-166-450-27	Sequence 27, Appl
27	146.5	3.4	8789	1	US-08-328-254-5	Sequence 5, Appl
28	146.5	3.4	8789	2	US-08-328-254-5	Sequence 5, Appl
29	144.5	3.3	4868	5	US-08-149-947-12	Sequence 12, Appl
30	144.5	3.3	4868	6	US-08-149-947-12	Sequence 12, Appl
31	138.5	3.2	4883	1	US-08-406-046-33	Sequence 33, Appl
32	138.5	3.2	4883	2	US-08-406-046-33	Sequence 33, Appl
33	138.5	3.2	4884	4	US-09-541-782-3	Sequence 3, Appl
34	131	3.0	2415	4	US-09-723-820-3	Sequence 3, Appl
35	131	3.0	2415	5	US-09-723-820-3	Sequence 3, Appl
36	130	3.0	5181	1	US-08-257-073-10	Sequence 10, Appl
37	128	2.9	30549	4	US-08-961-527-29	Sequence 29, Appl
38	125.5	2.9	12225	2	US-09-144-0010-322	Sequence 322, Appl
39	125.5	2.9	12225	3	US-08-822-445-11	Sequence 11, Appl
40	125.5	2.9	12616	2	US-08-822-445-9	Sequence 9, Appl
41	125.5	2.9	12616	3	US-08-822-445-9	Sequence 9, Appl
42	125	2.9	11873	2	US-08-970-269A-32	Sequence 32, Appl
43	125	2.9	11873	3	US-09-457-562-32	Sequence 32, Appl
44	125	2.9	11878	2	US-08-970-269A-31	Sequence 31, Appl
45	125	2.9	11878	3	US-09-457-562-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-08-294-329-2
Sequence 2, Application US/08204329
Patent No. 5710255
GENERAL INFORMATION:
APPLICANT: SIEPARD, H. M.
APPLICANT: WEN, SHU F.
TITLE OF INVENTION: CHARACTERIZATION OF A NOVEL ANTI FLUOR
TITLE OF INVENTION: MONOCLONAL ANTIBODY
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: DOWNSEND & DOWNSEND & CREW LLP
STREET: TWO EMBARCADERO CENTER, 8TH FLOOR
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: U.S.A.
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08204329
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08204329
FILING DATE: 14-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: RENSE A. FITTS
REGISTRATION NUMBER: 35,116
REFERENCE/DOCKET NUMBER: 16930 00040005
TELEPHONE: (415) 426 2400
TELEFAX: (415) 426 2422

122 LeuLeuAlaValysGlyValValLeuGluMetGluAspAspLeuValThrSerPheGlnLeu 141
143 IITATTAGTAAGAGGGAAGTATTAAATGAGACATGATCGGTGATTCAITTCAGTTA 792
142 MetLeuysValLeuAspTyrPheIleLysLeuSerProProMetLeuLeuLysGluPro 161
143 AIGTATGAGGTCGTGATATTATTAACATGCACTCGCATGTCGCAAGAACCA 852
142 TyrLysThrAlaValIleProIleAspGlySerProArqThrProAlaValGlyGluAsn 181
143 TATAAAACAGGTGTATAGCATTAATAGTTCATGAGACGCAAGAGGTGAGAC 912
142 ArgSerAlaArqIleAlaLysGlnLeuGluAsnAspThrArqIleIleGluValIleuCys 201
143 AGATAGCAAGCATAGTAATAATAGCAAAAGCAAGCAAGCAAGCAAGCAAGCA 972
142 TyrGlnAlaValysAspIleAspGluValLysAsnValThrPheLysAspPheLeuPro 221
143 AAAAACAACAGAAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 1042
142 PheMetAsnSerLeuGlyLeuValThrSerAspGlyLeuProIleValIleAsnLeuSer 241
143 ITTATGAAATCTCTTGCAATGTAACATCTAATGCAATCTGCAAGGTGAAAAATCTTCT 1092
142 LysArqTyrGlnGlnIleTyrLeuLysAsnLysAspLeuAspAlaArqLeuPheLeuAsp 261
143 AAATATATAGAAAGAAATTTATCTTAAAAATTAAGATGATGATGATGATGATGAT 1152
142 HisAspLysThrLeuGlnThrAspSerIleAspSerPheGlnIleGluAlaThrPheArq 281
143 CAACAACAAACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACAT 1212
142 LysSerAsnLeuAspGlnGluValAsnValIleProProIleThrProValArqThrVal 301
143 AAATATATAGAAAGAAATTTATCTTAAAAATTAAGATGATGATGATGATGATGAT 1272
142 MetAsnThrIleGlnGlnLeuMetMetIleLeuAsnSerAlaSerAspGlnProSerGlu 321
143 ATGAAACATATGCAACCAATTAATGATGATTTAAATTCAGCAGTGTATCAACCTTCAGAA 1332
142 AsnLeuIleSerTyrPheAspAspysThrValAsnProLysGlnSerIleLeuLysArq 341
143 AATCTGATTCGATATTTTAAATACATGACATGAAATGCAAAAGCAAAATATATGCAAAAGA 1392
142 ValLysArqIleGlyTyrIlePheLysGlnLysPheAlaLysAlaValGlyGlnGlyCys 361
143 GTAAAGATATAGAAATATCTTAAAGCAAGATTTGCAAGCTGTGGACAGAGGTGT 1452
142 ValGlnIleGlySerGlnArqTyrLysLeuGlyValArqLeuTyrTyrArqValMetGlu 381
143 GTCAAAATGCAATGCAACAGCAATCAACCTGAGCTGTGATGATGATGATGATGATGAT 1512
142 SerMetLeuLysSerGlnGlnArqLeuSerIleGlnAsnProLysLeuLeuAsn 401
143 TCAATGCTTAAATCAAGCAAGCAAGCAATATATGCAATGCAAAATATATGCAAAATGCTCAAT 1572
142 AspAsnIlePheLysMetSerLeuLeuAlaLysAlaLeuIleValValMetAlaThrTyr 421
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2233 CATTCGACCAACATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2292
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662 PheLysArqValLeuIleLysGlnGlnIleTyrAspSerIleIleValPheTyrAsnSer 681
2353 TTCAACCTGCTTTCATCAACAGACAGATGATGATGATGATGATGATGATGATGATGATGAT 2412
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2413 GTCTCATGCTACAGACGCAAAACAAATATATGACATGCTGCTCATGCTCATGCTCATG 2472
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2533 ATTCCTGCAAGCAACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2592
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802 IleGlnGlySerAspGlnAlaAspGlySerLysLysIleLeuTyrGlnGlnLysPheGln 821
2773 ATTCAACCAATTCATGAAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 2832
822 GlnLysLeuAlaGlnMetThrSerThrArqIleThrArqMetLeuLysGlnIleLysMetAsn 841
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842 SerMetAspThrSerAsnLysGlnIleLys 851

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QY 232 AsnGlyProPheValAspLeuSerLysArgTyrGlnGluValThrLeuLysAsp 251
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DB 235 AAGATCTAGATGCAAGATATTTTGTGATCATGATATAAATCTTCAAGACTGATCTATA 2511
QY 236 AsnSerPheGluPheGlnArgThrProArgLysSerAsnLeuAspGluValAsnVal 291
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DB 247 GAGTTGCTGCTGATTAATGAGTAAATGATGATGATGATGATGATGATGATGATGATGAT 2151
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DB 251 TCCCTGCTTGTAGCTGTGTAATGGCCACATATAGCAGAACTACATCTCAGAACTTGTATCT 2031
QY 252 GlyThrAspLeuSerPheProTyrIleLeuAsnValLeuAsnLeuLysAlaPheAspPhe 451
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QY 652 LysAspLeuProHisAlaValCysGlnThrPheLysArgValLeuGlyLysGluGlu 671
DB 653 AAGATCTTCTCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1411
QY 672 TyrAspSerIleIleValPheTyrAsnSerValPheMetGlnArgLeuLysThrAsnIle 691
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QY 692 LeuGlnTyrAlaSerThrArgProIleHisLeuSerIleIlePheIlePheArgLys 711
DB 693 TTGCAGTATGCTTCAACAGGCTCTTACCTTGCACCAATACCTCACAATCTCTCTCTCTCT 1191
QY 712 ProTyrLysPheProSerSerProLeuArgIleProGlyGlyAsnIleTyrIleSerPro 731
DB 713 CTTTCAAACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1131
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QY 772 AsnGlnMetValCysAsnSerAspArgValLeuLysArgSerAlaGluGlySerAsnSer 791
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QY 792 ProLysProTyrLysIleLeuArgThrAspIleGluThrSerAspGluAlaAspCysSer 811
DB 793 CTTAATCACTTGAAGAAATTAATGATTTTATGATTTTCAAGATTCAGATGAGATGAGATG 891
QY 812 LysHisLeuProGlyGluSerLysPheGlnGlnLysLeuAlaGluMetThrSerThrArg 831
DB 813 AAACATCTCCAGCAGAGTCCAAATTTTCAGCAGAAATTCGCAGAAAATGATCTCTCTCTCT 831
QY 832 ThrArgMetGlnLysGlnLysMetAsnAspSerMetAspThrSerAsnLysGluLys 851
DB 833 ACATCAATGTAAAGCAACAAATGAATGATGATGATGATGATGATGATGATGATGATGAT 771
RESULT 12
US-07 708 962-1
Sequence 1, Application US/07708962
Patent No. 9,63321
GENERAL INFORMATION:
APPLICANT: Livingston, David M.
APPLICANT: Ewen, Mark E.
TITLE OF INVENTION: Tumor Suppressor
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Choate, Hall & Stewart
STREET: Exchange Place, 53 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patient In Release #1.0, Version #1.25

1 CURRENT APPLICATION DATA
 2 APPLICATION NUMBER: US/97/706,962
 3 FILING DATE: 19910541
 4 CLASSIFICATION: 435
 5 ATTORNEY/AGENT INFORMATION:
 6 NAME: Kennedy, Bill
 7 REGISTRATION NUMBER: 44,407
 8 REFERENCE/DOCKET NUMBER: DPO1 209
 9 TELECOMMUNICATION INFORMATION:
 10 TELEPHONE: (617) 227 5020
 11 TELEFAX: (617) 227 7565
 12 TELEX: 289474
 13 INFORMATION FOR SEQ ID NO: 1:
 14 SEQUENCE CHARACTERISTICS:
 15 LENGTH: 2808 base pairs
 16 TYPE: NUCLEIC ACID
 17 STRANDEDNESS: double
 18 TOPOLOGY: linear
 19 MOLECULE TYPE: cDNA
 20 HYPOTHEICAL: NO
 21 ANTI SENSE: NO
 22 US 07 706 962 1

Alignment Scores:

Prod. No.: 2,176,75 Length: 2808
 Score: 768.00 Matches: 247
 Percent Similarity: 86.27% Conservative: 130
 Best Local Similarity: 25.08% Mismatches: 268
 Query Match: 17.57% Indels: 340
 Gaps: 40

US 09 026 459A 33 (1 851) X US 07 706 962-1 (1 2808)

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 QY 87 LysLeuGluThrCysGluLeuLeuLeuThrLeuGluProSerSerLeuSer 105
 DB 64 CCAAGTTTACACCA 111
 QY 106 ThrGluLeuAsnSerAlaLeuValLeuLysValSerTrpIleThrPheLeuAlaLys 125
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 DB 347 CACGCG 342
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 QY 214 Val 177PheGluAsnThrIleProPheMetAsnSerLeuGlyLeuValThr 230
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QY 244 TyrIleGluThrIleCysLysAsnLysAspLeuAlaLeuAlaLeuAlaLeuAlaLeuAlaLeuAlaLeu 264
 DB 517 TATGAAGATATGTTCTAACTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 567
 QY 264 LysThrLeuGluThrAspSerIleAspSerPheGluThrGluAlaThrProAlaLys 282
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 QY 365 GlySerGluArgTyrLysLeuGlyValArgLeuTyrArgValMetGluSerMetLeu 484
 DB 970 GTCTGTAACACACACACACACACACACACACACACACACACACACACACACACACACACACACAC 1029
 QY 385 LysSerGluGluArgLeuSerIleGlnAsnSerLysLeuLeuAsnAspAsnIle 404
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Search completed: January 19, 2003, 05:23:02
CPU time : 156.41 secs

RESUME 5
 US 08 204 429 2
 Sequence 2: Affected to US 08 204 429
 Patent No. 5210255

GENERAL INFORMATION:
 APPLICANT: SHEPARD, H. M.
 APPLICANT: WEN, SHU F.
 TITLE OF INVENTION: CHARACTERIZATION OF A NOVEL ANTI P110RB
 TITLE OF INVENTION: MONOCLONAL ANTIBODY
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: TOWNSEND & TOWNSEND & CREW LLP
 STREET: TWO EMBARKADER CENTER, 8TH FLOOR
 CITY: SAN FRANCISCO
 STATE: CALIFORNIA
 COUNTRY: U.S.A.
 ZIP: 94111

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: pc-dos/MS DOS
 SOFTWARE: Patent In Release #1.0, Version #1.40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/204,429
 FILING DATE: 15 AUG 1994

CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US92/05866
 FILING DATE: 14 JUL 1992

ATTORNEY/AGENT INFORMATION:
 NAME: RENSE A. FITTS
 REGISTRATION NUMBER: 45,146
 REFERENCE/DOCKET NUMBER: 16940-00040005
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 426-2400
 TELEFAX: (415) 426-2422

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2994 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOP-LOGY: linear
 MOLECULE TYPE: DNA (cDNA)

US 08 204 429 2
 Query Match 79.9% Score 2524; DB 1; Length 2994;
 Best Local Similarity 100.0%; Pos. No. 0;
 Matches 2623; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

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Tue Jan 21 10:02:57 2003

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RESULT 6
 US 08 482-627-4
 : Sequence 4, Application US/08482627
 : Patent No. 5998134
 : GENERAL INFORMATION:
 : APPLICANT: Lee, Wen-Hwa
 : APPLICANT: Lee, Eva Y-H-P
 : TITLE OF INVENTION: Retinoblastoma Gene - Cancer Suppressor
 : TITLE OF INVENTION: and Regulator
 : NUMBER OF SEQUENCES: 5
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Campbell and Flores
 : STREET: 4370 La Jolla Village Drive, Suite 700
 : CITY: San Diego
 : STATE: California
 : COUNTRY: United States
 : ZIP: 92122

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/482,627
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/951,947
 FILING DATE: 28-Sep-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-UC 1707
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2994 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 159..2924
 US-08-482-627-4

Query Match 78.9%; Score 2645; E-6; length 2994;
 Best local Similarity 100.0%; Pred. No. 0;
 Matches 2623; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Best local similarity 100.0% Prev. Ns 0;
Matches 2623; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Tue Jan 21 10:02:57 2003

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! RESULT 10
 US-08-959-638-7
 ; Sequence 7, Application US/08959638
 ; Patent No. 5932210
 ; GENERAL INFORMATION:
 ; APPLICANT: Gregory, Richard J.
 ; APPLICANT: Willis, Ken N.
 ; APPLICANT: Mancini, Daniel C.
 ; TITLE OF INVENTION: Recombinant Adenoviral Vector and
 ; TITLE OF INVENTION: Methods of Use
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/959,638
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA: US/08/328,673
 ; APPLICATION NUMBER: US/08/328,673
 ; FILING DATE: 25-OCT-1994
 ; APPLICATION NUMBER: US 08/233,777

10 2049 AIAAAGTGTTCGATAAAA: 2869

Search completed: January 17, 2003, 18:20:35
Job time : 110.19 secs

? INFORMATION FOR SEQ ID NO: 2:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 2994 base pairs
 ? TYPE: nucleic acid
 ? STRANDEDNESS: double
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: DNA (cDNA)
 ? US 08-204-329-2

Alignment Scores:

Score: 0 Length: 2994
 Percent Similarity: 44.99.00 Matches: 873
 Best Local Similarity: 100.00% Conservative: 0
 Query Match: 100.00% Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-026-459a 31 (1-874) x US-08-204-329-2 (1-2994)

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: Sequence 3, Application US/08801092
: Patent No. 6074850
: GENERAL INFORMATION:
: APPLICANT: Antelman, Douglas
: APPLICANT: Gregory, Richard J.
: APPLICANT: Wills, Kenneth N.
: TITLE OF INVENTION: Tissue Specific Expression of
: Retinoblastoma Protein

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RESULT 3

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US-08-801-092-3

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1 NUMBER OF SEQUENCES: 46
 2 CORRESPONDENCE ADDRESS:
 3 ADDRESSSEE: TOWNSEND and TOWNSEND and CREW LLP
 4 STREET: Two Embarcadero Center, 8th Floor
 5 CITY: San Francisco
 6 STATE: CA
 7 COUNTRY: USA
 8 ZIP: 94111
 9 COMPUTER READABLE FORM:
 10 MEDIUM TYPE: Floppy disk
 11 COMPILED: IBM or compatible
 12 OPERATING SYSTEM: PC-DOS/MS-DOS
 13 SOFTWARE: Patent In Release #1.0, Version #1.40
 14 CURRENT APPLICATION DATA:
 15 APPLICATION NUMBER: US/00/801,092
 16 FILING DATE: 14-FEB-1997
 17 CLASSIFICATION: 514
 18 PUBLICATION DATA:
 19 APPLICATION NUMBER: US 00/761,517
 20 FILING DATE: 15 NOV 1996
 21 CLASSIFICATION: 514
 22 ATTORNEY/AGENT INFORMATION:
 23 NAME: FITTS, RENE A.
 24 REGISTRATION NUMBER: 45,146
 25 REFERENCE/EXCERPT NUMBER: 016930-001020
 26 TELECOMMUNICATION INFORMATION:
 27 TELEPHONE: 415, 576-0200
 28 TELEFAX: 703, 576-0400
 29 INFORMATION FOR SEQ ID NO: 3:
 30 SEQUENCE CHARACTERISTICS:
 31 LENGTH: 2994 base pairs
 32 TYPE: nucleic acid
 33 STRANDEDNESS: single
 34 TOPOLOGY: linear
 35 MOLECULE TYPE: cDNA
 36 US 00/801,092 3

Alignment Scores:
 Pred. No.: 0 Length: 2994
 Score: 4499.00 Matches: 873
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.89% Indels: 0
 Gaps: 0

US-09 026 459A 31 (1-874) x US 08 801-092-3 (1-2994)

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 39 22 LeuThrTrpGluLysValSerValAspGlyValLeuGlyCylTyrIleGlnLysLys 41
 40 464 TTAAATTGACGAGAAATTTGATGTGGATGGAGTATGGAGTTATATTCTAAAGAAA 423
 41 42 LysGluLeuTrpGlyIleLysIlePheIleAlaValAspLeuAspGluMetSerPhe 61
 42 424 AAGAAATGGGGGAAACGTAATCTTATGAGAGCTGACCTAGCAGATGCGCTTC 483
 43 42 ThrPheThrGluLeuGlnLysAsnIleGluIleSerValHisLysPhePheAsnLeu 81
 44 484 ACTTTTACTGAGCTACAGAAAACATAGAAATCAGTGTCCATATAATCTTAACCTA 543
 45 82 LysGluIleAspThrSerThrLysValAspAsnAlaMetSerArgLeuLeuLysTyr 101
 46 944 AAAAATAATGATATCATATCAAAAGTTGATATGCTATGCAAGACTGTGTGAAGAAGTAT 603
 47 102 AspValLeuPheAlaLeuPheSerLysLeuGluArgThrCysGluLeuIleTyrLeuThr 121
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 US-09-315-113-3
 : Sequence 3, Application US/00315113
 : Patent No. 6379027
 : GENERAL INFORMATION:
 : APPLICANT: Antelman, Douglas
 : Gregory, Richard J.
 : Wills, Kenneth N.
 : TITLE OF INVENTION: Tissue Specific Expression of
 : NUMBER OF SHOWN: 46
 : CORRESPONDENCE ADDRESS:
 : ADDRESS: TOWNSEND and TOWNSEND and CREW LLP
 : STREET: Two Embarcadero Center, 8th Floor
 : CITY: San Francisco
 : STATE: CA
 : COUNTRY: USA
 : ZIP: 94111
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/00315113
 : FILING DATE: 19-May-1999
 : CLASSIFICATION: <Unknown>
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/801,092
 : FILING DATE: <Unknown>
 : AUTHORITY/AGENT INFORMATION:
 : NAME: Fitts, Renee A.
 : REGISTRATION NUMBER: 35,136
 : REFERENCE/BOOKLET NUMBER: 016736-001020
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 415-576-0200
 : TELEFAX: 703-576-0300
 : INFORMATION FOR SEQ ID NO: 3:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 2994 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : MOLECULE TYPE: cDNA
 : SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 : US-09-315-113-3
 Alignment Scores:
 Seq. No.: 0 Length: 2994
 Score: 4499.00 Matches: 873
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.89% Indels: 0
 DB: 4 Gaps: 0
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 DB 364 TTAACCTGGGAGAAAGTTTCACTGCTGATGAGTATTTGGAGGTTATATTAAAAA 424
 QY 42 LysGluLeuThrGlyLysLysLysLysLysLysLysLysLysLysLysLysLysLysLys 61
 DB 424 AAGGAACGTGGGGAATCTGATCTTTATTCACAGCAGTTCACCTAGATGATGATGATGAT 484

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RESULT 5

US-08-959-638-7
 : Sequence 7, Application US/08959638
 : Patent No. 5932210
 : GENERAL INFORMATION:
 : APPLICANT: Gregory, Richard J.
 : APPLICANT: Willis, Ken N.
 : APPLICANT: Maneval, Daniel C.
 : TITLE OF INVENTION: Recombinant Adenoviral Vector and
 : TITLE OF INVENTION: Methods of Use
 : NUMBER OF SEQUENCES: 9
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Campbell and Flores
 : STREET: 4370 La Jolla Village Drive, Suite 700
 : CITY: San Diego
 : STATE: California
 : COUNTRY: USA
 : ZIP: 92122
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent in Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/959,638
 : FILING DATE:
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US/08/328,673
 : FILING DATE: 25-OCT-1994
 : APPLICATION NUMBER: US/08/233,777
 : FILING DATE: 19-MAY-1994
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US/08/142,666
 : FILING DATE: 25-OCT-1993
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Campbell, Cathryn A.
 : REGISTRATION NUMBER: P-CJ 1192
 : REFERENCE/DOCKET NUMBER: P-CJ 1192
 : TELEPHONE: (619) 535-9001
 : TELEFAX: (619) 535-8949
 : INFORMATION FOR SEQ ID NO: 7:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 2995 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: Linear
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: 139..2922
 : US-08-959-638-7

Alignment Scores: 0 Length: 2995
 Pred. No.:

Score: 4499.00 Matches: 873
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.89% Indels: 0
 DH: 2 Caps: 0
 US-09-026-459A-31 (1-874) x US-08-959-638-7 (1-2995)
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 DB 304 CATTTTACTGCATTATGTCAGAAATTAACATACCCAGATCATGTCACAGAGAGAGAGAGAGAGAGAG 363
 QY 22 LeuThrTyrGlnLysValSerSerValAspGlyValLeuLysLysLysLysLysLysLysLysLysLys 41
 DB 364 TTAACTTGGGAGAAAGTTTCACTCTGGATGGAGTATTCGGAGGTTATATCAAAAGAGAA 423
 QY 42 LysGluLeuTyrGlyLysLysLysLysLysLysLysLysLysLysLysLysLysLysLysLysLysLys 61
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 DB 484 ACTTTTACTCAGCTACAGAAACATAGAAATCAGTGTCCATAAATCTCTTAACCTTACT 543
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 DB 1144 TTTTGGATCATGATAAAACTCTTACAGCTGATCTTACAGCTGATCTTACAGCTGATCTTACAGCTGATCTTACAGCT 1203
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1 INFORMATION FOR SEQ ID NO: 1:

1 SEQUENCE CHARACTERISTICS:
 1 LENGTH: 2994 base pairs
 1 TYPE: nucleic acid
 1 STRANDEDNESS: single
 1 TOPOLOGY: linear
 1 FEATURE:
 1 NAME/KEY: CDS
 1 LOCATION: 139..2923
 1 POT US94-10357-1

Alignment Scores:

1 Pred. No.: 0
 1 Score: 4496.00
 1 Percent Similarity: 100.00%
 1 Best Local Similarity: 99.89%
 1 Query Match: 99.82%
 1 Indels: 0
 1 Gaps: 5

US-09-026-459a-31 (1-874) x rni-US94-10357-1 (1-2994)

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 QY 242 PheIleProPheMetAsnSerLeuLysValThrSerAsnGlyLeuProGlnValGlu 261
 DB 1024 TTTAAGCTTTTAACTTCTTGGACCTTGTAACTTAACTTAACTTAACTTAACTTAACT 1083
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QY 262 AsnLeuSerLysArgTrpGluGlnIleTrpLeuLysAsnLysAspLeuAspAlaArgLeu 281
 DB 1084 AATCTTTTAAAGGATACGAGAAATTTATCTTAAAAATAAAGATGATGATGATGATGAT 1143
 QY 282 PheLeuAspHisAspLysThrLeuGlnThrAspSerIleAspSerPheGlnThrGlnArg 301
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 DB 1324 CCTTCAGAAAACTGATTTCCCTATTTAAACAACCTGACAGTGAATCCAAAAACAAGTAA 1383
 QY 362 LeuLysArgValLysAspIleGlyTrpIlePheLysGlnLysPheAlaLysAlaValLys 381
 DB 1384 CTGAAAGAGTGAAGGATATATATATCTTTTAAAGAGAAATTTTAAAGAGTGTGAGA 1443
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 DB 1444 CAGGTTTGTGTGAATTTGATCTATGATATGATATGATATGATATGATATGATATGAT 1503
 QY 402 ValMetGlnSerMetLeuLysSerGlnGluAlaLeuSerIleGlnAsnPheSerLys 421
 DB 1504 GTAAATGGAATCCATGCTTAAATCAGAACAGAACACATTAACCAATCAAAATTTTACG 1563
 QY 422 LeuLeuAsnAspAsnIlePheHisMetSerLeuLeuLysAlaLeuGluValValMet 441
 DB 1564 TTTCTTAATGACACATTTTCAATGATGATATGATATGATATGATATGATATGATATG 1623
 QY 442 AlaThrTrpSerArgSerThrSerGlnAsnLeuAspSerGlyThrAspLeuSerPhePro 461
 DB 1624 GCCCATATACAGAGATATATATAGATTTTATGATTTTGAACACAGATTTTGTCTTTC 1683
 QY 462 TrpIleLeuAsnValLeuAsnLeuLysAlaPheAspPheTrpLysValIleGlnSerPhe 481
 DB 1684 TGGATCTGGAATGCTTAAATTAAGAGCTTTGATTTTACAAAGTGAACGAGGATTTT 1743
 QY 482 IleLysAlaGlnGlyAsnLeuThrArgGluMetIleLysHisLeuGlnArgCysGlnHis 501
 DB 1744 ATCAAGATGAGAGCACTTGCAGAGAGAAATGATAAACATTTAGAGAGATGATGAATAT 1803
 QY 502 ArgIleMetGlnSerLeuAlaTrpLeuSerAspSerProLeuPheAspLeuLysGln 521
 DB 1804 GGAATCATGGAATCTCTTGAAGAGTGTGATGATCTCTTATTTATCTTTATTTAAATTA 1863
 QY 522 SerLysAspAlaGlnGlyProThrAspHisLeuGlnSerAlaCysProLeuAsnLeuPro 541
 DB 1864 TCAAGGACCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1923
 QY 542 LeuGlnAsnAsnHisThrAlaAlaAspMetTrpLeuSerProValArgSerProLysLys 561
 DB 1924 CTCTCAATTAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCA 1983
 QY 562 LysGlySerThrThrArgValAsnSerThrAlaAsnValGlnThrClnAlaThrSerAla 581
 DB 1984 AAAGTCAACTACCTGCTGCTTAAATCTGATGCAATGATGATGATGATGATGATGATGAT 2043
 QY 582 PheGlnThrClnLysProLeuLysSerThrSerLeuSerLeuPheTrpLysLysValTrp 601
 DB 2044 TTCCACACCCAGAGGCAATGAAATCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2103
 QY 602 ArgLeuAlaTrpLeuArgLeuAsnThrLeuCysGlnArgLeuLeuSerGlnHisProGln 621
 DB 2104 GGGTAACTTATTTGGGTTAAATACATTTGTGAAGAGCTTCTGCTGAGAGAGAGAGAG 2163
 QY 622 LeuGlnHisIleLeuThrPheGlnHisThrLeuGlnAsnGluTrpGluLeuMet 641

QY	522	SerLysAspArgGluGlyProThrAspHisLeuGluSerAlaCysProLeuAsnLeuPro	541
DB	1864	TCAAAGACCGAAGAGGACCAACTCATCACCTTCAATTCGCTCTCTCTTAATCTTCCT	1923
QY	542	LeuGlnAsnAsnHisThrAlaAlaAspMetTyrLeuSerProValArgSerProLys	561
DB	1924	CTCCAGAAATAATCACACTGCAGCAGATATGATCTCTCTCTGTAAATCTCAAGAAA	1983
QY	562	LysGlySerThrThrArgValAsnSerThrAlaAsnAlaGluThrGlnAlaThrSerAla	581
DB	1984	AAAGTTTCAACTACCGCTGTAAATCTACTCCAAATCGAGAGACACAGCAACTCAGCC	2043
QY	582	PheGlnThrGlnLysProLeuLysSerThrSerLeuSerLeuPheTyrLysLysValTyr	601
DB	2044	TTCAGACCCAGAGGCAATTCGAAATCTACCTCTCTCTTTCACCTCTTTATAAAAAAC	2103
QY	602	ArgLeuAlaTyrLeuAlaGluAsnThrLeuCysGluAlaArgLeuLeuSerGluHisProGlu	621
DB	2104	CGGTAGCTATCTCCGGCTAAATACACTTTGTGAAGCGCTCTCTGTGAGATCCAGAA	2163
QY	622	LeuGluHisIleIleThrPheThrLeuPheGlnHisThrLeuGlnAsnGluTyrGluLeuMet	641
DB	2164	ATAGAACATAATCATCGACCCCTTTTCACACACACACCTTCACAAATCAGTATGAACT	2223
QY	642	ArgAspArgHisLeuAspGlnIleMetLysSerMetTyrGlyIleCysLysValLys	661
DB	2224	ACAGACAGGCAATTTGGACCAAAATATGATGTGTTCATGTATGCCATATGCCAAGC	2283
QY	662	AsnIleAspLeuPheLysIleIleValThrAlaTyrLysAspLeuProHisAlaVal	681
DB	2284	AAATATAGACCTTAATATTCAAATCATTTAAACATACATACAGGATCTCTCTATGCT	2343
QY	682	GlnGluThrPheLysArgValLeuIleLysGluGluGluTyrAspSerIleIleValPhe	701
DB	2344	CAGGACACATTCGAAACGCTTTTGATCAAGAGAGAGAGATGATCATCTATATAGATAT	2403
QY	702	TyrAsnSerValPheMetGlnArgLeuLysThrAsnIleLeuGlnTyrAlaSerThrArg	721
DB	2404	TATAACTCGCTCTTCATGCAGAGACTGAAACAAATATTTTCCAGTATGCTTCCACAG	2463
QY	722	ProThrLeuSerProIleIleProHisIlePheArgSerProTyrLysPheProSerSer	741
DB	2464	CGGATATCTGTACCAATACCTCCATCTCTCCAGGCTTACAGCTTCTCTAGTCA	2523
QY	742	ProLeuArgIleProGlyGlyAsnIleTyrIleSerProLeuLysSerProTyrLysIle	761
DB	2524	CCCTTACGATCTCTCGAGGCAACATCTATTTTCCACCTCGAAGGCTTCTAGTATTA	2583
QY	762	SerIleLysLeuProThrProThrLysMetThrProArgSerArgIleLeuValSerIle	781
DB	2584	TCAAGAGGCTGCGCAACACCAACAAATACCTCCAGATCAAGAAATCTTACTATCAAT	2643
QY	782	GlyGluSerPheGlyThrSerGluLysPheGlnLysIleAsnGlnMetValCysAsnSer	801
DB	2644	GGTGAATCATTCGGGACTTCTGAGAGTTCCAGAAATTAATCATGATGTATGTAACAG	2703
QY	802	AspArgValLeuLysArgSerAlaGluLysSerAsnProProLysProLeuLysIleLeu	821
DB	2704	GACCGTGTCTCAAAGAGGCTGCTGAAGAGCAACCTCTCTAAACACATGAAAACTA	2763
QY	822	ArgPheAspIleGluGlySerAspGluAlaAspGlySerLysHisLeuProGlyGluSer	841
DB	2764	CGCTTTTGATTTGAAGGATCAGATGAGCAGATGCAAGTAAACATCTCCAGCAGATCC	2823
QY	842	LysPheGlnGlnLysLeuAlaGluMetThrSerThrArgThrArgMetGlnLysGlnLys	861
DB	2824	AAATTTTCAGAACTGGCAGAAATGACTTCTACTCGAACACCAATGCAAAACAGAGAA	2883
QY	862	MetAsnAspSerMetAspThrSerAsnLysGluGluLys	874
DB	2884	ATGAATCATACCATGATACCTTCAACAAACAGAGAGAGAA	2922
		RESULT 8	

1480 TCCACCAATTTCCAGCAGACAGGAAATTCACGAATTCCTTAAAGAAATTCACAGCAA 1539
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 3259 ---GAAACCAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3309
 787 ThrSerGluLysPheGlnLysIleAsnGlnMetValCysAsnSerAspValLeuLys 806
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 3391 GATGAGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 3450
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 RESULT 14
 US-07-708-962-1
 : Sequence 1, Application US/07708962
 : Patent No. 5,452,321


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2287 AAAAAATATAATGATGATCTTGAAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 2346
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2346 -----GluGluGluTyAspSerIleValPheTyAsn 703

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2347 CTGATGTTTATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2406
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704 SerValPheMetGlnArgLeuLysThrAsnIleLeuGlnIleTyAlaSerThrArg 721
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2407 AATAATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2466
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722 -----ProPheThrLeuSerProIlePheProHisIleProArgSerProTyLys 737
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2467 CATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2517
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738 PheProSerSerProLeuArgIle---ProGlyGlyAsnIleTyIleSerProLeuLys 756
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2518 ---CCAGAGCTATATGAGAGCTATGAGAGCTATGAGAGCTATGAGAGCTATGAGAGCTAT 2562
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2568 TCTGCTGATCAATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2604
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797 MetValCysAsnSerAsp-----AroValLeuLysAroSerAlaGluIle 811
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RESULT 15

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US-08-152-721B-1
Sequence 1, Application US/08152721B
Patent No. 5952415
GENERAL INFORMATION:
APPLICANT: Livingston, David M.
APPLICANT: Ewen, Mark E.
TITLE OF INVENTION: DNA Encoding p107 Tumor Suppressor and
TITLE OF INVENTION: Related Polypeptides
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHOATE, HALL & STEWART
STREET: 53 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2891
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/152-721B
FILING DATE: 15-NOV-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pasternack Esq., Sam
REGISTRATION NUMBER: 29,576
REFERENCE/BOOKET NUMBER: 181411-011DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-5000
TELEFAX: (617) 248-4000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2808 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO

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QY	342	IleSerIyrPhoAsnAsnCysThrValAsnProLysGluSerIleIleuLysArqValLys	361
DB	1334	A>TTCCTATTATACCAACCTGACAGTGAATCTCAAGAAAGATATCAAGAAAGTGAAG	1398
QY	362	AspIleGlyTyrIlePheLysGluLysPheAlaLysAlaValGlyGlnGlyCysValGlu	381
DB	1394	CAATATACATACAGTCTTAAATACAAATTCGTAAATCTGTGCACAGGCTTGTCGAA	1458
QY	382	IleGlySerGlnArgItyrLysIleuGlyValArgIleuTyrTyrArgValMetGluSerMet	401
DB	1454	ATTGATATGAGGATATAAATTGATTTGTTTATATATGATTAATGAAATGATG	1518
QY	402	IleLysSerGluGluGluArgIleuSerIleGlnAsnPheSerLysIleuAsnAspAsn	421
DB	1514	CTTAATACAGCAAGACGATTAATCCATTCAAATTTACCAAACTTCGTAATGACAAC	1578
QY	422	IlePheIleMetSerIleuLeuAlaCysAlaIleuGluValValMetAlaThrTyrSerArg	441
DB	1574	ATTTTTCATAGTCTTATATGGGTCGCTCTGAGTCTGTAATGCGCAATATAGTCACA	1638
QY	442	SerThrSerGlnAsnIleuAspSerGlyThrAspLeuSerPheProTyrIleIleuAsnVal	461
DB	1634	AGTACATCTCAAACTTCTGATCTGCAACACAAATTTGTCTTCTCATGATTCGATGTC	1698
QY	462	IleAsnIleuLysAlaIlePheAspPheTyrLysValIleGluSerPheIleLysAlaGluGly	481
DB	1694	CTTAATTTAAAGCCCTTCATTTTACAAAGTCATCGAAAGCTTTATCAAGCAGAAAGCC	1758
QY	482	AsnLeuThrArgGluMetIleLysIleLysIleuGluArgCysGluHisArqIleMetGluSer	501
DB	1754	AAGCTCAGACAGAAATGATAAAGCATTTAGAACCATGTGAACATCGAAATATCGAAATCC	1818
QY	502	IleAlaIlePheLeuSerAspSerProIleuPheAspIleuIleLysGlnSerLysAspArgGlu	521
DB	1814	CTTGATAGCTCTCAATTAATTAATTTTATTTGATTTTATTAACCAATCAAGGACCTAGAA	1878
QY	522	GlyProThrAspHisIleuGluSerAlaCysProIleuAsnIleuProIleuGlnAsnAsnHis	541
DB	1874	GGACCAACTCATACCTTGAATCTGCTGCTGCTTAAATCTGCTTCCCGAATAATATCAC	1938
QY	542	ThrAlaAlaAspMetLysLeuSerProValArgSerProLysLysLysGlySerThrThr	561
DB	1934	ACTGCGACGACATATGATGTTCTCTCTCTGTAACATCTCCCAAGAAAAAGGTTCAACTACG	1998
QY	562	ArgValAsnSerThrAlaAsnAlaGluThrGlnAlaThrSerAlaPheGlnThrGlnLys	581
DB	1994	CGTGTAAATCTATCTCAAAATGAAAGAAATCAAGGATTAATGATTAATGATTAATGATTA	2058
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QY	602	ArgValAspThrLeuGluGluArgLeuLysSerGluHisProGluIleuGluHisIleIle	621
DB	2114	CGGCTAAATACACTTTTGCAAGCGCTTCGTCTGACGACCCAGCAATTAGAACATATCATC	2178
QY	622	IlePheIlePheGlnHisThrIleuGlnAsnGluTyrGluIleuMetArgAspArgHisIleu	641
DB	2174	TGAAATTTTCTCAATGAAATGAAATGATATTAATTAATGATTAATGATTAATGATTTTG	2238
QY	642	AspGlnIleuMetCysSerMetTyrGlyIleCysLysValLysAsnIleAspIleuLys	661
DB	2234	CACCAAAATATCATCTGCTCCAGCATGGCATATGCCATATGCCAAGTCACAAATATACACCTTAAA	2298
QY	662	PheLysLeuValThrAlaTyrLysAspLeuProHisAlaValGlnGluThrPheLys	681
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[illegible]

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RESULT 4

RESULT 4
IIS-09-315-113-303-09-313-113-3
: sequence 3, Application US/09315113: Sequence 3, Application
: Patent No. 6379927

FILE NO. 6379927
GENERAL INFORMATION.

APPLICANT Antelman Douglas

APPLICANT: Antelman, Douglas
 Gregory, Richard

Gregory, Richard J.

WILS, kenneth N.

TITLE OF INVENTION: Tissue specific expression

Ref	Year	Country	Sample Size	Age Group	Gender	Study Type	Findings
1	2018	USA	1,200	18-25	Male	Quantitative	High levels of stress and anxiety reported.
2	2019	UK	800	26-35	Female	Qualitative	Focus on mental health challenges.
3	2020	Canada	1,500	36-45	Male	Quantitative	Increased stress levels during the pandemic.
4	2021	Australia	900	46-55	Female	Qualitative	Exploration of coping mechanisms.
5	2022	Germany	1,100	56-65	Male	Quantitative	Stress levels remain high.
6	2023	France	1,300	66-75	Female	Qualitative	Focus on social support.
7	2024	Italy	1,400	76-85	Male	Quantitative	High levels of loneliness reported.
8	2025	Spain	1,600	86-95	Female	Qualitative	Focus on family dynamics.
9	2026	Japan	1,700	96-105	Male	Quantitative	Stress levels show improvement.
10	2027	South Korea	1,800	106-115	Female	Qualitative	Focus on community support.
11	2028	India	1,900	116-125	Male	Quantitative	High levels of stress and anxiety.
12	2029	China	2,000	126-135	Female	Qualitative	Focus on mental health challenges.
13	2030	Brazil	2,100	136-145	Male	Quantitative	Increased stress levels during the pandemic.
14	2031	Argentina	2,200	146-155	Female	Qualitative	Exploration of coping mechanisms.
15	2032	Colombia	2,300	156-165	Male	Quantitative	Stress levels remain high.
16	2033	Venezuela	2,400	166-175	Female	Qualitative	Focus on social support.
17	2034	Peru	2,500	176-185	Male	Quantitative	High levels of loneliness reported.
18	2035	Ecuador	2,600	186-195	Female	Qualitative	Focus on family dynamics.
19	2036	Bolivia	2,700	196-205	Male	Quantitative	Stress levels show improvement.
20	2037	Paraguay	2,800	206-215	Female	Qualitative	Focus on community support.
21	2038	Uruguay	2,900	216-225	Male	Quantitative	High levels of stress and anxiety.
22	2039	Chile	3,000	226-235	Female	Qualitative	Focus on mental health challenges.
23	2040	Costa Rica	3,100	236-245	Male	Quantitative	Increased stress levels during the pandemic.
24	2041	Panama	3,200	246-255	Female	Qualitative	Exploration of coping mechanisms.
25	2042	Dominican Republic	3,300	256-265	Male	Quantitative	Stress levels remain high.
26	2043	Honduras	3,400	266-275	Female	Qualitative	Focus on social support.
27	2044	Guatemala	3,500	276-285	Male	Quantitative	High levels of loneliness reported.
28	2045	El Salvador	3,600	286-295	Female	Qualitative	Focus on family dynamics.
29	2046	Nicaragua	3,700	296-305	Male	Quantitative	Stress levels show improvement.
30	2047	Haiti	3,800	306-315	Female	Qualitative	Focus on community support.
31	2048	Jamaica	3,900	316-325	Male	Quantitative	High levels of stress and anxiety.
32	2049	Trinidad and Tobago	4,000	326-335	Female	Qualitative	Focus on mental health challenges.
33	2050	Grenada	4,100	336-345	Male	Quantitative	Increased stress levels during the pandemic.
34	2051	St. Vincent and the Grenadines	4,200	346-355	Female	Qualitative	Exploration of coping mechanisms.
35	2052	Dominica	4,300	356-365	Male	Quantitative	Stress levels remain high.
36	2053	Antigua and Barbuda	4,400	366-375	Female	Qualitative	Focus on social support.
37	2054	Barbados	4,500	376-385	Male	Quantitative	High levels of loneliness reported.
38	2055	St. Kitts and Nevis	4,600	386-395	Female	Qualitative	Focus on family dynamics.
39	2056	St. Lucia	4,700	396-405	Male	Quantitative	Stress levels show improvement.
40	2057	St. Eustace	4,800	406-415	Female	Qualitative	Focus on community support.
41	2058	St. John	4,900	416-425	Male	Quantitative	High levels of stress and anxiety.
42	2059	St. James	5,000	426-435	Female	Qualitative	Focus on mental health challenges.
43	2060	St. Mary	5,100	436-445	Male	Quantitative	Increased stress levels during the pandemic.
44	2061	St. Michael	5,200	446-455	Female	Qualitative	Exploration of coping mechanisms.
45	2062	St. Patrick	5,300	456-465	Male	Quantitative	Stress levels remain high.
46	2063	St. Peter	5,400	466-475	Female	Qualitative	Focus on social support.
47	2064	St. George	5,500	476-485	Male	Quantitative	High levels of loneliness reported.
48	2065	St. Andrew	5,600	486-495	Female	Qualitative	Focus on family dynamics.
49	2066	St. David	5,700				

NUMBER OF SEQUENCES: 46

; ;
; ;
CORRESPONDENCE ADDRESS.

ADDRESSEE: TOWNSEND and TOWNSEND and CREW

STREET: Two Embat

; CITY: San Francisco

; STATE: CA

COUNTRY: USA

; ZIP: 94111

; COMPUTER READABLE FORM:

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;
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatib

OPERATING SYSTEM: PC-DOS/

; ; S01TWAKE: Patent In Release

CURRENT APPLICATION DATA.

APPLICATION NUMBER: US/09,

FILING DATE: 19-MAY-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/80

FILING DATE: UNKNOWN

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 RESHI 4
 PCT US94 10357-1
 ? September 1, Application PCT/US94/10357
 ? GENERAL INFORMATION:
 ? APPLICANT: The Regents of the University of California
 ? APPLICANT: and Can'l, Inc.
 ? TITLE OF INVENTION: Therapeutic Use of the Retinoblastoma
 ? TITLE OF INVENTION: Susceptibility Gene Product
 ? NUMBER OF SEQUENCES: 3
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Campbell and Flores
 ? STREET: 4370 La Jolla Village Drive
 ? CITY: San Diego
 ? STATE: California
 ? COUNTRY: USA
 ? ZIP: 92122
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent in Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: PCT/US94/10357
 ? FILING DATE: 13-SEP-1994
 ? CLASSIFICATION:
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 08/121,108
 ? FILING DATE: 13-SEP-1993
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Campbell, Cathryn A.
 ? REGISTRATION NUMBER: 31,815
 ? REFERENCE CHECKER NUMBER: EP-08 1117
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (619) 535-9001
 ? TELEFAX: (619) 535-8949
 ? INFORMATION FOR SEQ ID NO: 1:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 2994 base pairs
 ? TYPE: nucleic acid
 ? STRANDEDNESS: single
 ? TOPOLOGY: linear
 ? FEATURE:
 ? NAME/KEY: CDS
 ? LOCATION: 139..2923
 ? PCT-US94-10357-1
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Score: 4451.50 Matches: 866
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RESULT 7

US-08-428-674A-7

Sequence 7, Application US/08328674A

Patent No. 6210939

GENERAL INFORMATION:

APPLICANT: Gregory, Richard J.

Manaval, Daniel C.

TITLE OF INVENTION: Recombinant Adenoviral Vector and

Methods of Use

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-4874

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.40


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140 1150 GAAACAGATTGGCTTTCCCATGATGCTGAATGCTGCTTAATTTAAAGACCTTGATTT 1971
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140 1150 GAAACAGATTGGCTTTCCCATGATGCTGAATGCTGCTTAATTTAAAGACCTTGATTT 1971
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RESULT 10
US-08-470-091-1
: Sequence 1, Application US/08470091
: Patent No. 5912236
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
: APPLICANT: Hu, Shi-Xue
: APPLICANT: Benedict, William F.
: TITLE OF INVENTION: Broad-Spectrum Tumor Suppressor Genes, Gene Products and
: TITLE OF INVENTION: Methods for Tumor Suppressor Gene Therapy.
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Pennie & Edmonds
: STREET: 1155 Avenue of the Americas
: CITY: New York
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 10036-2711
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/470,091
: FILING DATE: JUN-16-1995
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/038,760
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Poissant, Brian M.
: REGISTRATION NUMBER: 28,452
: REFERENCE/DOCKET NUMBER: 7409 025-999
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 790-9090
: TELEFAX: (212) 869-9741/8864
: TELEX: 66141 PUNNIF
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3232 base pairs
: TYPE: nucleic acid
: STRANDNESS: double
: TOPOLOGY: not relevant
: MOLECULE TYPE: DNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 19..2469
US-08-470-091-1

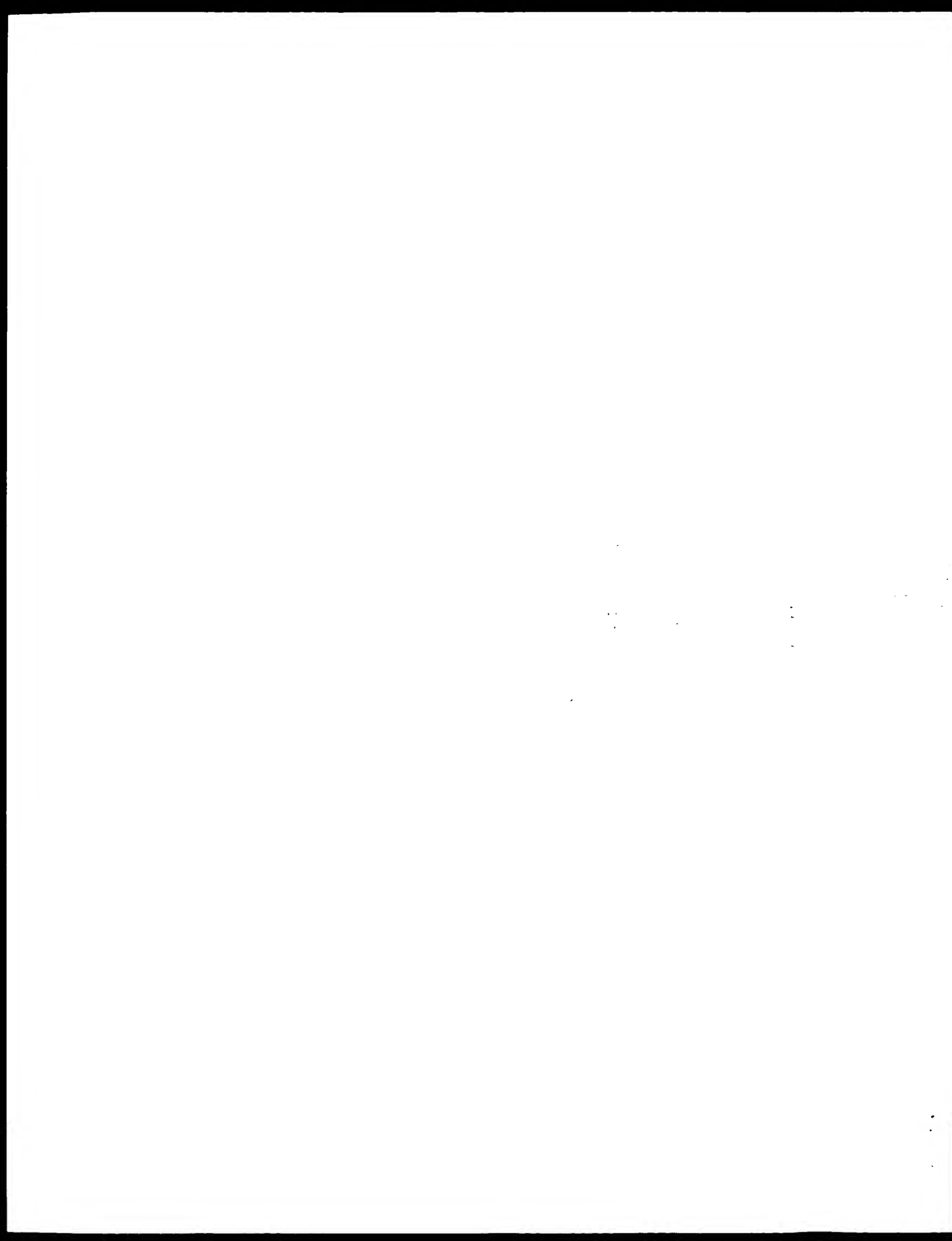
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Search completed: January 19, 2003, 05:45:40
File time : 168,444 secs



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OM protein nucleic search, using frame_plus_p2n model

Run on: January 18, 2003, 04:12:19 : Search time 49.5477 seconds
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Perfect score: 4496
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Fgapop 6.0 : Fgapext 7.0
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Searched: 441362 seqs, 15338481 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

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Maximum Match 100%

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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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4	4447.5	98.9	2994	4	US-09-115-113-3 Sequence 3, Appl
5	4447.5	98.9	2995	5	US-08-959-638-7 Sequence 7, Appl
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8	4864.5	85.9	3242	1	US-08-048-760-1 Sequence 1, Appl
9	4864.5	85.9	3242	1	US-08-048-760-2 Sequence 2, Appl
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16	717.5	16.0	3249	1	US-08-106-494A-1	Sequence 1, Appl
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18	515.5	11.5	3747	4	US-09-213-294B-2	Sequence 2, Appl
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25	138	3.1	4593	4	US-09-404-627-3	Sequence 3, Appl
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28	136	3.0	6773	4	US-09-166-350-27	Sequence 27, Appl
29	134.5	3.0	3883	1	US-08-468-636-34	Sequence 34, Appl
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33	133	3.0	13425	4	US-08-961-527-151	Sequence 151, Appl
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35	130	2.9	4743	3	US-09-339-964-1	Sequence 1, Appl
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39	127	2.8	4628	4	US-08-375-992A-113	Sequence 113, Appl
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ALIGNMENTS

RESULT 1

US 09 204 329 2

Sequence 2, Application 09/38204329

Patent No. 5710255

GENERAL INFORMATION:

APPLICANT: SHEPARD, H. M.

APPLICANT: WEN, SHU F.

TITLE OF INVENTION: CHARACTERIZATION OF A NOVEL ANTI FLUOR

TITLE OF INVENTION: MONOCLONAL ANTIBODY

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: TOWNSEND & TOWNSEND & CREW LLP

STREET: TWO EMERALD ALEDO CENTER, 8TH FLOOR

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: U.S.A.

ZIP: 94111

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.40

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/204,329

FILING DATE: 15-AUG-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05866

FILING DATE: 14-JUL-1992

ATTORNEY/AGENT INFORMATION:

NAME: RENEE A. FILTS

REGISTRATION NUMBER: 35,136

REFERENCE/DOCKET NUMBER: 16930 00040008

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 426,2400

TELEFAX: (415) 426,2422

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US-09-315-113-3
Sequence 3, Application US/09315113
Patent No. 6,979,927
GENERAL INFORMATION:
APPLICANT: Antelman, Douglas
Gregory, Richard J.
Wills, Kenneth N.
TITLE OF INVENTION: Tissue Specific Expression of
Retinoblastoma Protein
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,113
FILING DATE: 19 May-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/801,092
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: FULTS, Penae A.
REGISTRATION NUMBER: 35,136

REFERENCE/BOOK NUMBER: 016930 001020

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415 576 0200

TELEFAX: 703 576 0300

INFORMATION FOR SEQ ID NO: 43

SEQUENCE CHARACTERISTICS:

LENGTH: 2994 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 43

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RESULT 7

US-08-428-673A-7

Sequence 7, Application US/08428673A

Patent No. 6210949

GENERAL INFORMATION:

APPLICANT: Gregory, Richard J.

Wills, Ken N.

Marechal, Daniel C.

TITLE OF INVENTION: Recombinant Adenoviral Vector and Methods of use

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.40

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RESULTS
MS 08 038 76(0) 2/c

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 LB 1670 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1611
 QY 592 LeuPheTyrLysValThrAspLeuAlaThrLeuArgLeuAsnThrLeuGlyGluArg 611
 LB 1610 CTTGTTTATATAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1551
 QY 612 LeuLeuSerGluLysProGluLeuGluLysIleIleThrThrLeuPheGlnHisThrLeu 631
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 LB 1490 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1431
 QY 652 TyrLysIleGluValLeuAsnIleAspLeuLysPheLysIleValThrAlaThr 671
 LB 1430 TATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1371
 QY 672 LysAspLeuProHisAlaValGlnGlnThrPheLysArgValLeuIleLysGluGluGlu 691
 LB 1370 AAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1311
 QY 692 LysAspSerIleLeuValThrSerValPheMetGlnArgLeuLysThrAsnIle 711
 LB 1310 TATGTTTCTATTATATATATATATATATATATATATATATATATATATATATAT 1251
 QY 712 LeuGlnTyrAlaSerThrArgProProThrLeuSerProIleProHisIleProArgSer 731
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 QY 732 ProTyrLysProSerSerProLeuArgIleProGlyLysAsnIleTyrLysSerPro 751
 LB 1190 GCTTAAAGTTTCTGATCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTAC 1131
 QY 752 LeuLysSerProGlyLysIleSerGluGlyLeuPheThrProHisMetThrProArg 771
 LB 1130 GCTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1071
 QY 772 SerArgIleValSerIleValSerIleValSerIleValSerIleValSerIleValSer 791
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 QY 792 AsnIleMetValGlyAsnSerAspArgValLeuLeuArgSerAlaGluLysSerAsnPro 811
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RESULT 10

US-08-470-091-1

: Sequence 1, Application US/08470091

: Patent No. 5912236

: GENERAL INFORMATION:

: APPLICANT: Xu, Hong-Ji

: APPLICANT: Hu, Shi-Xue

: APPLICANT: Benedict, William F.

: TITLE OF INVENTION: Broad-Spectrum Tumor Suppressor Genes, Gene Products and

: TITLE OF INVENTION: Methods for Tumor Suppressor Gene Therapy.

: NUMBER OF SEQUENCES: 3

: CORRESPONDENCE ADDRESS:

: ADDRESSEE: Pennie & Edmonds

: STREET: 1155 Avenue of the Americas

: CITY: New York

: STATE: New York

: COUNTRY: U.S.A.

: ZIP: 10036-2711

: COMPUTER READABLE FORM:

: MEDIUM TYPE: Floppy disk

: COMPUTER: IBM PC compatible

: OPERATING SYSTEM: PC-DOS/MS-DOS

: SOFTWARE: Patent-In Release #1.0, Version #1.25

: CURRENT APPLICATION DATA:

: APPLICATION NUMBER: US/08/470,091

: FILING DATE: JUN-16-1995

: CLASSIFICATION: 514

: PRIOR APPLICATION DATA:

: APPLICATION NUMBER: US/06/038,760

: FILING DATE:

: ATTORNEY/AGENT INFORMATION:

: NAME: Poissant, Brian M

: REGISTRATION NUMBER: 28,462

: PREFERENCE/KEY NUMBER: 743,925-999

: TELECOMMUNICATION INFORMATION:

: TELEPHONE: (212) 790-9090

: TELEFAX: (212) 869-9741/8864

: TELEX: 66141 PENNIE

: INFORMATION FOR SEQ ID NO: 1:

: SEQUENCE CHARACTERISTICS:

: LENGTH: 3242 base pairs

: TYPE: nucleic acid

: STRANDEDNESS: double

: TOPOLOGY: not relevant

: MOLECULE TYPE: DNA

: FEATURE:

: NAME/KEY: CDS

: LOCATION: 19..2469

US-08-470-091-1

Alignment Scores:

Pred. No.: 0

Score: 3863.50

Percent Similarity: 93.9%

Best Local Similarity: 93.9%

Query Match: 85.93%

DB: 2

Length: 2232

Matches: 763

Conservative: 0

Mismatches: 0

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Gaps: 2

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152 GCGAATTAATATATATATATATATATATATATATATATATATATATATATATATAT 246
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159 Ser 243
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RESULT 13

US-08-832-877-1

Sequence 1, Application US/08832877

Patent No. 5849506

GENERAL INFORMATION:

APPLICANT: Giordano, Antonio

TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS OF

TITLE OF INVENTION: CANCER

NUMBER OF SEQUENCES: 116

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.

STREET: Suite 1800 Two Penn Center Plaza

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19102

COMPUTER RELEASABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent In Release #1.0, Version #1.40

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/2877

FILING DATE:

CLASSIFICATION: 436

ATTORNEY/AGENT INFORMATION:

NAME: Monaco, Daniel A

REGISTRATION NUMBER: 30,480

REFERENCE/DOCKET NUMBER: 8421 14 US2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568 8383

TELEFAX: (215) 568 5549

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4853 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 70..4859

US-08-832-877-1

Alignment Scores:

Pred. No.: 4,320.70

Score: 801.50

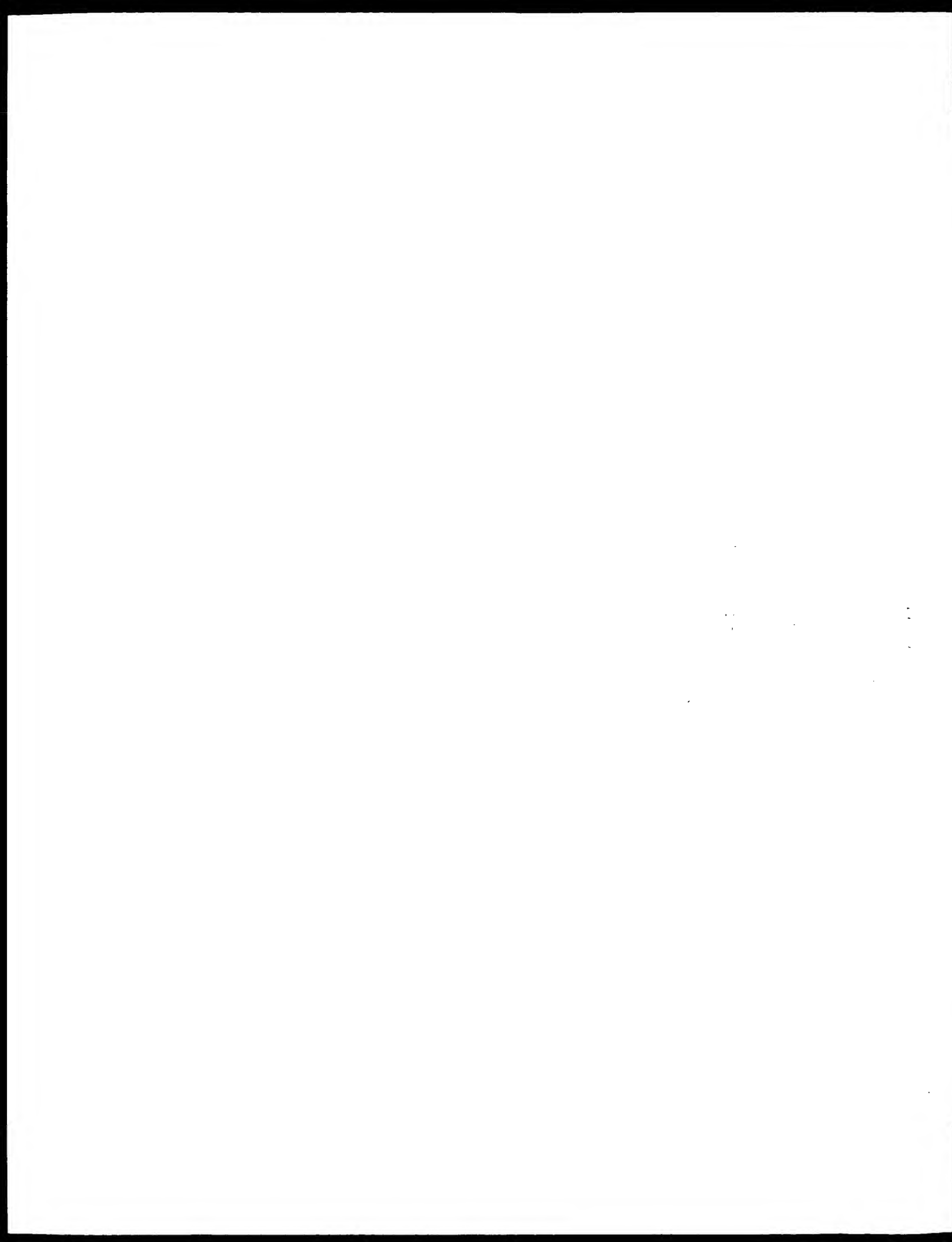
Percent similarity: 37.06%

Length: 4853

Matches: 289

Conservation: 159

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CM protein multiple search, using frame_plus_p2n mode)

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Ygapop 10.0, Ygapext 0.5
Zgapop 6.0, Zgapext 7.0
bctop 6.0, bctext 7.0

Searched: 94868 seqs, 222944149 residues

Total number of hits satisfying chosen parameters: 787746

Minimum DB seq length: 0

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Maximum Match: 100%

Listing first 45 summaries

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-TRANS-human40.cdi -LIST=65 -DECALLIGN=200 -THR SCORE=100
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	4017	100.0	4266	10	US-09-459-522-46 Sequence 34, Appl
4	4017	100.0	4323	10	US-09-459-522-46 Sequence 32, Appl

5	4017	100.0	4323	10	US-09-459-522-48 Sequence 38, Appl
6	4017	100.0	4392	10	US-09-459-522-40 Sequence 20, Appl
7	4017	100.0	4455	10	US-09-459-522-28 Sequence 28, Appl
8	4017	100.0	4461	10	US-09-459-522-40 Sequence 40, Appl
9	4017	100.0	4554	10	US-09-459-522-50 Sequence 50, Appl
10	4017	100.0	4555	10	US-09-459-522-51 Sequence 1, Appl
11	4017	100.0	4839	9	US-09-954-541-143 Sequence 143, Appl
12	4007	99.8	2795	10	US-09-860-411-7 Sequence 7, Appl
13	3850	95.8	3347	10	US-09-459-522-42 Sequence 42, Appl
14	3674.5	91.5	3377	10	US-09-459-522-46 Sequence 46, Appl
15	3667.5	91.3	3383	10	US-09-459-522-48 Sequence 48, Appl
16	3550	88.4	3161	10	US-09-459-522-44 Sequence 44, Appl
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20	350	8.7	4209	10	US-09-220-091-4 Sequence 4, Appl
21	243	6.0	411	10	US-09-864-761-4141 Sequence 4141, Appl
22	218	5.4	129	10	US-09-864-761-1910 Sequence 1910, A
23	177.5	4.4	404	10	US-09-964-824A-296 Sequence 296, Ap
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26	141	3.5	4754	10	US-09-982-091A-1 Sequence 1, Appl
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28	140	3.5	10190	10	US-09-864-864-292 Sequence 163, App
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37	123.5	3.1	19670	9	US-09-864-761-4793 Sequence 4793, Ap
38	123	3.1	6750	9	US-09-866-557A-3 Sequence 3, Appl
39	123	3.1	19599	10	US-09-955-253-145 Sequence 145, App
40	122	3.0	2047	10	US-09-864-761-32304 Sequence 32304, A
41	122	3.0	8493	9	US-10-071-766-51 Sequence 51, Appl
42	121.5	3.0	1969	10	US-09-864-761-15490 Sequence 15490, A
43	121	3.0	4543	10	US-09-864-864-256 Sequence 256, App
44	121	3.0	5361	5	US-09-742-096-2 Sequence 2, Appl
45	121	3.0	6152	9	US-09-742-096-1 Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-459-522-46
Sequence 36, Application US-09-459-522
Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Reediet, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED PEPTIDE-REACTOMA IMMUNOPROTEIN

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: WINDOWS/MS DOS

SOFTWARE: Patent In Release #1.0, Version #1.40

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/459,522

FILING DATE: 22 Dec-1999

CLASSIFICATION: <unknown>

[illegible]


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QY 181 AsnLysAspLeuAspAlaArgLeuPheLeuAspHisAspLysThrLeuGlnThrAspSer 200
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DB 202 ATAGACAGTTTTCAGAACACAGAGAACACACGAAAAAGTAACTTGTGATGAAGAGGCTGAA 945
QY 221 ValIleProGlnHisThrProValArgThrValMetAsnThrIleGlnGlnLeuMetMet 240
DB 222 GTAAATCTCTCCCAACATCTCACTTAGAGAGGATGATGACACATATCAACAAATTAAGAG 1005
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DB 242 ATTTTAAATTCAGCAAGTATCAACCTTCAGAAAAATCTGATTTCTATTTTAAACAACCTGC 1065
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DB 382 TTTTACAAATTCAGCAAACTTTTACAAAGCAAGGCAACTTTCAGCAAGCAAGCAATGATA 1485
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DB 482 GCAAGAAACAAACAAATCTCACTTCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1785
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DB 502 TCACGCTTTTATAAAAGAGTGTATGCGGTAGCGGTAGCGGTAGCGGTAGCGGTAGCGGTAGCG 1845
QY 521 ArgLeuLeuSerGlnHisProIleLeuGlnHisIleIleThrThrLeuPheGlnHisThr 540
DB 522 GAGATTTCTCTGAGAAATGAGAAATGAGAAATGAGAAATGAGAAATGAGAAATGAGAAATGAG 1905
QY 541 LeuGlnAsnGluTyrGluLeuMetArgAspArgHisLeuAspGlnIleMetMetCysSer 560

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DB 1906 CAGCAATGATCAATCAATCATGACAGACAGCCATTTGGACCAAAATATGATGCTGCTCC 1965
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DB 582 TATAGAGATTTCTCTATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2085
QY 601 GlnTyrAspSerIleIleValPheTyrAsnSerValPheMetGlnArgLeuLysIleAsn 620
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QY 781 Lys 781
DB 2626 AAA 2628

RESULT 7
US-09-469-522-28
: Sequence 28, Application 93/09469522
: Patent No. US20020151461A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
:            Hu, Shi-Xue
:            Benedict, William F.
:            Zhou, Yunli
: TITLE OF INVENTION: MODIFIED KILINOLASOMA TUMOR SUPPRESSOR
: PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Burkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4433
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible

```


OPERATING SYSTEM: PC DOS/MS DOS
SOFTWARE: Patent In Release #1.0, Version: #1.40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/469,522
FILING DATE: 22 Nov 1999
CLASSIFICATION: Unknown
EPL# APPLICATION DATA:
APPLICATION NUMBER: 09/026,459
FILING DATE: Unknown
AGENCY/AGENT INFORMATION:
NAME: Hiblet, David W
REGISTRATION NUMBER: 41-071
REFERENCE/PACKET NUMBER: UTXC-606
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/474-4000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 28:

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RESULT 9

US-99-469-522-50

Sequence 50, Application US/09469522

Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Beijing, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED RECOMBINANT MA-100-IP SUPPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4434

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4434

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: 09/26/2000
 ATTORNEY/AGENT INFORMATION:
 NAME: Hibler, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/BUCKET NUMBER: 01XC:506
 COMMUNICATION INFORMATION:
 TELEPHONE: 512/474-3000
 TELEFAX: 512/474-7577
 INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3554 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 7..2790
 SEQUENCE DESCRIPTION: SEQ ID NO: 50:

US-09-026-459A-37 (1-781) X US-09-469-522-50 (1-3554)

Alignment Scores:
 Pred. No.: 0 Length: 3554
 Score: 4017.00 Matches: 781
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-026-459A-37 (1-781) X US-09-469-522-50 (1-3554)

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 50 181 AsnLysAspLeuAspAlaArgGluPheLeuAspHisAspLysThrLeuGluThrAspSer 200
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 50 201 IleAspSerPheGluThrGluArgThrPheArgLysSerAsnLeuAspGluValValAsn 220
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 1b 2468 AGCTCTTAAAGCTATATGATATGATATGATATGATATGATATGATATGATATGATAT 2527
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 QY 721 ProProLysProLeuLysLysLysLeuArgPheAspIleGluGlySerAspGluAlaAspGly 740
 1b 2608 CTCTCTAAAGCTATGAAAAATGATATGATATGATATGATATGATATGATATGATATGATATGAT 2667
 QY 741 SerLysHisLeuProGlyGluSerLysPheGlnGlnLysLeuValIleMetThrSerThr 760
 1b 2668 AGTAAATATGCGAGAAAGTGGCAATTTTCAGACAGAACTGGCAGAAATGACTTCTACT 2727
 QY 761 ArgThrArgMetGlnLysGlnLysMetAsnAspSerMetAspThrSerAsnLysGluGlu 780
 1b 2728 TGAACATGAAATGCAAAAGCAAAAAAGCAATGATATGATATGATATGATATGATATGATATGATAT 2787
 QY 781 Lys 781
 1b 2788 AAA 2740

RESULT 10

US 09-469-522-1

Sequence 1: Application US/09/469-522

Patent No. US2002015146A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Benedito, William F.

Zhao, Yunli

TITLE OF INVENTION: MODIFIED RETINOBLASTOMA TUMOR SUPPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CURRENT INVENTION ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210 4433

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/469-522
 FILING DATE: 22-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Hiblet, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/DOCKET NUMBER: UTX:506
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/418-3000
 TELEFAX: 512/474-7577
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3555 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 7..2790
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-469-522-1

Alignment Scores:

Pred. No.: 0 Length: 4555
 Score: 4017.00 Matches: 761
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DH: 10 Gaps: 0

US-09-026-459A-37 (1-781) x US-09-469-522-1 (1-3555)

QY 1 MetSerArgLeuLeuLysLysLysTyrAspValLeuPheAlaLeuPheSerLysLeuThrArg 20
 1b 448 ATGCAAGACTGTGTGAAGACACTAIGATGATGTTGCAATCTTCAGTAAATGGAAAGC 507
 QY 21 ThrCysGluLeuIleTyrLeuThrGlnProSerSerIleSerThrGluIleAsnSer 40
 1b 508 ACATGTCAACTTATATATTGACACAAACCCAGCAGTTCATATCTGATATCTGAAAAATAATCT 567
 QY 41 AlaLeuValLeuLysValSerIleIleThrPheLeuLeuAlaLysGlyLeuValLeuGln 60
 1b 568 GCATTGGTGCTAAAGATTGTTGATGATGATTTTATATATATATATATATATATATATATATAT 627
 QY 61 MetGluAspAspLeuValIleSerPheGlnLeuMetLeuLysValLeuAspLysPheIle 80
 1b 628 ATGCAAGACATCTGGTGGATTCATTTGCTTAAAGTGAAGTCTGCTGCTGCTGCTGCTGCTGCT 687
 QY 81 LysLeuSerProProMetLeuLeuLysGluProTyrLysThrAlaValIleProIleAsn 100
 1b 688 AAATCTCACTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 747
 QY 101 GlySerProArgThrProArgGlyGlnAsnIleSerAlaArgIleAlaLysIleLeu 120
 1b 748 GATTCACTCTGAAACCTGAGAGGGGTGAAAGAGAGGTGAGAGAGGTGAGAGAGGTGAGAGAGGT 807
 QY 121 GluAsnAspThrArgIleIleGluValLeuLysLysGluHisSerLysAsnIleAspGlu 140
 1b 808 GAAAAATGATCAACAGAAATATTCAGAGTCTCTGTAACAAATGACAAATGATATATATATATAT 867
 QY 141 ValLysAsnValTyrPheLysAsnPheIleProPheMetAsnSerLeuGlyLeuValThr 160
 1b 868 GTGAAAAATGTTTATTTTCAAAAAATTTTATACCTTTTATGAAATCTCTCTGTAATATATATAT 927

	1240	G A A T T C C A C A G C C A G G A G A C T A T G A C A C T A T T A A A T T A T C A T G	1299
D6			
Q7	241	T L E U S I N S O R A L A S D A S P I N P R O S E T G L A S N L E U L E S E T Y R P H E A S N A S O C Y S	250
D6			
D6	1300	A T T T A A T C A G A A G C A C A A C C T C A C A A A T C G A T T C T A T T T A T T A A C A C A C G	1359
Q7	251	H H V A L A S P R O T G S G U S E R T L E U L Y S A R Q V A L L Y S A S P I L E G L Y T Y I L P H E L Y S	280
D6			
D6	1360	A A G T A A T C A A A A A A A A A T A A T G A A A A A A T G A A A G A T A T G A T A A A T C T T T A A	1419
Q7	281	G H U S P H E A L A Y S A L A V A G L Y G I N C L Y T Y S V A G L I L E G L Y S O R G I N A R Q V Y L Y S	300
D6			
D6	1420	G A C A A A T T G C T A A A G T G G G A C A G G T T G C T C A A T G A T C A T C A C A C A A A C A A A	1479
Q7	301	L E U L Y V A A R G L E U T Y T A R Q V A M E T G L U S E R M E T L E U L Y S O R G L U G L U A R Q	320
D6			
D6	1480	C T T G A C A T G G T T G C T A T A N T G A T A A T G C A A T C G T T A A T C A C A A G A A G A C C A	1539
Q7	321	L E U S E R T L E G I N A S P H E S E R T Y L S L E U L E U A S N A S P A S N I L E P H E L S M E T S E R L E U L E U	340
D6			
D6	1540	T T A T C A T C A A A T T T A G A A N T T G T G A T G A C A A C A T T T T C A T G T C T T A T T G	1599
Q7	341	A L A Y S A L A G L U A V A M E T A L A T H E R T Y R S E R A R Q S E R T H R S E R G L A S N L E U A S P	360
D6			
D6	1600	G N T G G G G C T G A G G T T G A A G G C C A C A T A G T C A A C A C A C A T C A A T C T G A T	1659
Q7	361	S E R G L Y T H R A S P L E U S R P H E P R T F L E U A S N V A L L E U A S N L E U L Y S A L A P R E A S P	380
D6			
D6	1660	I P R G A A A G A T T G T T T T C T C A T G G A T T G A A T G G T T T A A T T A A A G G C T T G A T	1719
Q7	381	P H E T Y L Y S V A T L E G I N K S R P H E L L E Y S A L G L U G L Y A S N L E U H R A R Q U M E T I L E	400
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D6	1720	T T T T N A A G T G T G A A G T T T T C A A A C A A G A C A C T T G A A N A G A A A T G A T A	1779
Q7	401	L Y S H I S L E U A R Q V S G L U H I S A R Q U M E T G L U S E R L E U A L A T R P L E U S R S E R S E R	420
D6			
D6	1780	A A A A T T T A G A A C A G G C A A C G C A A T C G A A T C G G T T G C A T G G C T C G A T C A	1839
Q7	421	P R O C O P R E A S P L E U L E Y S G L E S E R Y S A S R Q U L U G L Y P R O T R A S P H I S L E U G L U	440
D6			
D6	1840	C T T T A T T G A T C T T A A A A A C A A G A C A C A A G C A C A C A C C T G A A C C C T G A A	1899
Q7	441	S R A L Q Y S P R O L E U A S N C O U R O L E G I N A S O A S H I S T H R A L A L A A S P M E T Y R L E U	460
D6			
D6	1900	T G G T T G T G C T T A A T T C T T C G A A A T A T C A C T G C G A G A T A T G T A T C T	1959
Q7	461	S R P R O V A L A R Q S R P R O L Y S Y S G L Y S R T H R A R Q V A L A S N S R T H R A L A A S N	480
D6			
D6	1960	T C T G C T A A C A C T C A A A A A A A A G C T C A C A G C G C G G A A T C T A C T G C A A T	2019
Q7	481	A L A G L U H R G I N A L H R S R A L A P H E G L U T H R G L I N Y S P R O L Y S S R T H R S R L E U	500
D6			
D6	2020	C T A G A C A C A A A A C A A C T A G C T T C G A A C C A G A G C A T T G A A A T T A C T C T C T	2079
Q7	501	S R L E U P R E C T Y R S Y S V A T Y R A R Q U A L A Y R E U A R Q U A S N H R L E U C Y S G L U	520
D6			
D6	2080	T A T G T T T A	

QM nucleic nucleic search, using sw model

Run on: January 16, 2003, 15:20:22 : Search time 05.0445 Seconds
(without alignments)
16120.731 Million cell updates/sec

Database: US-09-026-459A-36
Reflected scores: 4114
Sequence: 1 GCGGTCATGTAAGACTTTT.....AAATGAGCATTTATGATAGT 3113

Scoring table: IDENTITY_NP
Gapop 10.0, Gapext 1.0

Searched: 99868 seps, 22294149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications, NA:*

- 1: /cun2.6/prodata/1/pubna/us07_PUBCOMB.seq.*
- 2: /cun2.6/prodata/1/pubna/ACT_NEW_PUB.seq.*
- 3: /cun2.6/prodata/1/pubna/us06_NEW_PUB.seq.*
- 4: /cun2.6/prodata/1/pubna/us06_PUBCOMB.seq.*
- 5: /cun2.6/prodata/1/pubna/us07_NEW_PUB.seq.*
- 6: /cun2.6/prodata/1/pubna/ACT_PUBCOMB.seq.*
- 7: /cun2.6/prodata/1/pubna/us08_NEW_PUB.seq.*
- 8: /cun2.6/prodata/1/pubna/us08_PUBCOMB.seq.*
- 9: /cun2.6/prodata/1/pubna/us09_NEW_PUB.seq.*
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- 11: /cun2.6/prodata/1/pubna/us10_NEW_PUB.seq.*
- 12: /cun2.6/prodata/1/pubna/us10_PUBCOMB.seq.*
- 13: /cun2.6/prodata/1/pubna/us06_NEW_PUB.seq.*
- 14: /cun2.6/prodata/1/pubna/us06_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4114	100.0	3113	10 US 09 469 522-36	Sequence 36, Appl
2	4107	99.8	3218	10 US-09-469-522-3	Sequence 3, Appl
3	4107	99.8	3256	10 US 09 469 522-34	Sequence 34, Appl
4	4107	99.8	3323	10 US 09 469 522-32	Sequence 32, Appl
5	4107	99.8	3423	10 US-09-469-522-38	Sequence 38, Appl
6	4107	99.8	3492	10 US-09-469-522-40	Sequence 40, Appl
7	4107	99.8	3455	10 US-09 469 522-28	Sequence 28, Appl
8	4107	99.8	3461	10 US 09 469 522-40	Sequence 40, Appl
9	4107	99.8	3554	10 US 09 469 522-50	Sequence 50, Appl
10	4107	99.8	3555	10 US-09-469-522-1	Sequence 1, Appl
11	4107	99.8	4839	9 US-09-954 531 143	Sequence 143, Appl
12	4096	96.5	3447	10 US-09-469-522-42	Sequence 42, Appl
13	2827.4	90.8	3161	10 US-09-469-522-44	Sequence 44, Appl
14	2825	90.7	3377	10 US-09-469 522-46	Sequence 46, Appl
15	2748.6	88.3	3383	10 US 09 469 522-48	Sequence 48, Appl
16	2410.4	77.4	2995	10 US 09 860 211-7	Sequence 7, Appl
17	428	13.7	451	9 US-09-796-692-7740	Sequence 7740, Ap
18	142.2	4.6	411	10 US 09 864 761-4131	Sequence 3131, Ap
19	129	4.1	129	10 US 09 864 761 19910	Sequence 19910, A

ALUMINUMS

RESULT 1

US-09-469-522-36
Sequence 36, Application US-09-469-522
Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji
Hu, Shi-Xue
Benedit, William F.
Zhou, Yunli

TITLE OF INVENTION: MODIFIED REINOLASTOMA TUMOR SUPPRESSOR

PROTEINS

NUMBER of SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Burke
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.40

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-09-469-522

FILING DATE: 22-Dec-1999

CLASSIFICATION: unknown

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/026,459

FILING DATE: unknown

ATTORNEY/AGENT INFORMATION:

NAME: Hillet, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/DOCKET NUMBER: UTX-506

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-4000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 46:

SEQUENCE CHARACTERISTICS:

LENGTH: 3113 base pairs

TYPE: nucleic acid

Sequence 296, Appl
Sequence 47, Appl
Sequence 2546, Ap
Sequence 1, Appl
Sequence 2, Appl
Sequence 1, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 44, Appl
Sequence 44, Appl
Sequence 11218, A
Sequence 34521, A
Sequence 4882, Ap
Sequence 154, App
Sequence 5558, Ap
Sequence 31244, A
Sequence 5785, A
Sequence 1, Appl
Sequence 12458, A
Sequence 2769, Ap
Sequence 4147, Ap
Sequence 4050, Ap
Sequence 749, App
Sequence 5166, Ap
Sequence 4, Appl

STRANDEDNESS: single									
Topology: linear									
FEATURE:									
NAME/KEY	CD5	LOCUS	7:2349						
SEQUENCE DESCRIPTION: SEQ ID NO: 36:									
US 09 459 522-36									
Query Match 100.0% Score 3113; DB 10; Length 3113;									
Best Local Similarity 100.0% Pos. No. 0;									
Matches 3113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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DB	1	GGGCGAAGCAAGACGTCGACAAAGATGAGATGATGTCACGCTTCAGCAAAATG	60						
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DB	51	GAAGCAATGTCGACATATATATTTGACACAAACCCACAGTTGATATCTATGAATA	120						
QY	121	AATTCGATTGCTGTAAAGTTTGTGATGATGATGATGATGATGATGATGATGATG	180						
DB	121	AATTCGATTGCTGTAAAGTTTGTGATGATGATGATGATGATGATGATGATGATG	180						
QY	181	TAACAAATGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	240						
DB	181	TAACAAATGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	240						
QY	241	TTATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	300						
DB	241	TTATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	300						
QY	361	ATTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	420						
DB	361	ATTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	420						
QY	421	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	480						
DB	421	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	480						
QY	481	GTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	540						
DB	481	GTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	540						
QY	541	GTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	600						
DB	541	GTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	600						
QY	601	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	660						
DB	601	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	660						
QY	661	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	720						
DB	661	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	720						
QY	721	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	780						
DB	721	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	780						
QY	781	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	840						
DB	781	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	840						
QY	841	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	900						
DB	841	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	900						
QY	901	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	960						
DB	901	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	960						

DB	901	TACAAATGCGAGTTCGCTGATTAACGAGTAAAGGAAATGCTTAACACAGAA	960						
QY	961	GAAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1020						
DB	961	GAAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1020						
QY	1021	TTATGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1080						
DB	1021	TTATGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1080						
QY	1081	CTTGATGTCGCAACAGATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1140						
DB	1081	CTTGATGTCGCAACAGATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1140						
QY	1141	TTTGATTTTAAAGATGATGATGATGATGATGATGATGATGATGATGATGATG	1200						
DB	1141	TTTGATTTTAAAGATGATGATGATGATGATGATGATGATGATGATGATGATG	1200						
QY	1201	ATGATAAACATTTAGAACGATGATGATGATGATGATGATGATGATGATGATG	1260						
DB	1201	ATGATAAACATTTAGAACGATGATGATGATGATGATGATGATGATGATGATG	1260						
QY	1261	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1320						
DB	1261	GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1320						
QY	1321	CTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1380						
DB	1321	CTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1380						
QY	1381	TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440						
DB	1381	TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440						
QY	1441	GCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1500						
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DB	1501	TCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1560						
QY	1561	TCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1620						
DB	1561	TCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1620						
QY	1621	CATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1680						
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QY	1681	TCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1740						
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QY	1861	GAAGGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1920						
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DB	1921	GAAGGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1980						
QY	1981	ATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	2040						
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07 2041 ACTTAAAGATCAAAATATATATCAATTCGGTCAATCAATTCGGTCAATCAATTCGGT 2100
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07 2101 CAAATAAATATATATATATATATATATATATATATATATATATATATATATATAT 2160
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07 2881 TCTATATATATATATATATATATATATATATATATATATATATATATATATATAT 2940
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10 2941 CAGTAAATATATATATATATATATATATATATATATATATATATATATATATAT 3000
07 3001 CAGTAAATATATATATATATATATATATATATATATATATATATATATATATATAT 3060
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07 3061 CAGTAAATATATATATATATATATATATATATATATATATATATATATATATATAT 3113
10 3061 CAGTAAATATATATATATATATATATATATATATATATATATATATATATATATAT 3113

RESULT 2

US-09-469-522-3

Sequence 3, Application: US/99469522

Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED RETIN-BLASTOMA TUMOR SUPPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSER: Arnold, White & Burke

STREET: P.O. Box 4434

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77270-4434

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/469,522

FILING DATE: 22-Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/026,459

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Hubler, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/BOOKLET NUMBER: UTX:506

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-3000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 3218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

FEATURE:

NAME/KEY: CDS

LOCATION: 7..2454

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-469-522-3

Query Match 99.8% Score 3107; DH 10; Length 3218;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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07 67 ACATGTGACTTATATATATATATATATATATATATATATATATATATATATATATATAT 126
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07 187 ATCTCAAGACTGTGGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 246
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07 247 AAATCTCTATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 406


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CLASSIFICATION: Unknown
PRIORITY: 09/026,459
PILLING DATE: 09/026,459
ATTORNEY/AGENT INFORMATION:
NAME: HUBLET, David W.
REGISTRATION NUMBER: 41,071
REFERENCE/KEY NUMBER: 010,506
TELEPHONE: 512/418-4000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 4266 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURES:
NAME/KEY: CDS
LOCATION: 7..2502
SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-09-469-522-34

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Query Match 99.88% Score 4107 DB 10 Length 4266
Best Local Similarity 100.0% Pred. No. 0
Matches 3107 Conservative 0 Mismatches 0 Gaps 0

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TITLE OF INVENTION: MODIFIED RETINOBLASTOMA TUMOR SUPPRESSOR
PROTEINS
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Burke
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/469,522
FILING DATE: 22 Dec 1999

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CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkin
 STREET: P.O. Box 4434
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210-4434
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM pc compatible
 OPERATING SYSTEM: pc-dos/ms-dos
 SOFTWARE: Patent Release #1.0, Version #1.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US-09/469,522
 FILING DATE: 22 Dec 1999
 CLASSIFICATION: Unknown
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: Unknown
 ATTORNEY/AGENT INFORMATION:
 NAME: Hibler, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/DOCKET NUMBER: OLC:509,
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/418,4000
 TELEFAX: 512/474,3577
 INFORMATION FOR SEQ ID NO: 48:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1423 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURES:
 NAME/KEY: CDS
 LOCATION: 7..2559
 SEQUENCE DESCRIPTION: SEQ ID NO: 38:
 US 09 469 522 48

Query Match 99.8% Score 3107; Dh 10; Length 3323;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ATGTGAACTGTGTAAGAAAGATGATGATGTTGATGCTGTGAGCAATATGGAAGG 66
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 Db 277 AATGGAATTAATATGATGATGATGATGATGATGATGATGATGATGATGAT 336
 QY 127 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 186
 Db 347 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 396
 QY 187 ATGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 246
 Db 197 ATGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 456
 QY 247 AATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 306
 Db 457 AATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 516
 QY 607 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 366
 Db 617 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 576
 QY 667 GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 426
 Db 677 GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 636
 QY 427 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 486
 Db 647 GATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 696

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 Db 697 TCTAATGAGCTTCCAGAGGTTGAAAAATCTTTCTAAAGATAGCAAGAAATATATCTAAA 756
 QY 547 AATAAGAGCTTACATGACAGATTTATTTTGGATATGATATAAAATCTTTAAATGATCTT 606
 Db 757 AATAAGAGCTTACATGACAGATTTATTTTGGATATGATATAAAATCTTTAAATGATCTT 816
 QY 607 ATACACAGCTTTCACAAACACAGACACACACGAGAGAGAGAGAGAGAGAGAGAGAGAG 666
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 QY 667 GTAATGCTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 726
 Db 877 GTAATGCTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 936
 QY 727 ATTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 786
 Db 937 ATTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 996
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 Db 1057 GAGAAATGCTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1116
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 Db 1117 CTGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 1176
 QY 967 TTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1026
 Db 1177 TTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1246
 QY 1027 GGTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1086
 Db 1237 GGTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1296
 QY 1087 TCTGGAACAGATTTGCTTGGATGATGATGATGATGATGATGATGATGATGATGATGAT 1146
 Db 1297 TCTGGAACAGATTTGCTTGGATGATGATGATGATGATGATGATGATGATGATGATGAT 1456
 QY 1147 TTTTACAAAGTGAACGAAAGCTTTTACAAAGTGAACGAAAGCTTTTACAAAGTGAAC 1206
 Db 1357 TTTTACAAAGTGAACGAAAGCTTTTACAAAGTGAACGAAAGCTTTTACAAAGTGAAC 1416
 QY 1207 AATCATTTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1266
 Db 1417 AATCATTTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1476
 QY 1267 GCTTTATTTGATCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1326
 Db 1477 GCTTTATTTGATCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1536
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NUMBER OF SEQUENCES: 51
 CORRESPONDENCE ADDRESS:
 ADDRESS: Artold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210-4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 09/469,422
 FILING DATE: 22-Dec-1999
 CLASSIFICATION: Unknown
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: Unknown
 ATTORNEY/AGENT INFORMATION:
 NAME: Bibler, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/DOCKET NUMBER: UTXC-506
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/418-3000
 TELEFAX: 512/474-7577
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3555 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 7..2790
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US 09 469 422-1

Query Match 99.8%; Score 3107; DB 10; Length 3555;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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47	427	GAATGAGATTTAAAGCTTTTGGACACATTTTATTTAGCTAAAGCGGAGATACAA	186
DB	508	ATATGAGATTTAAAGCTTTTGGACACATTTTATTTAGCTAAAGCGGAGATACAA	627
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1470 AATTAAGATATATATATATATATATATATATATATATATATATATATAT 2368
1471 AATTAAGATATATATATATATATATATATATATATATATATATATATAT 2416
1472 AATTAAGATATATATATATATATATATATATATATATATATATATATAT 2428

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2537 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 2596
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2597 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 2656
2609 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 2668
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2717 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 2776
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3029 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 3088
3077 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 3136
3089 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 3148
3137 CAGATTTCTTTTATATATATATATATATATATATATATATATATATATAT 3196

RESULT 14

US-09-469-522-46

Sequence 46, Aggregation US/09-469-522

Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED RETINOBLASTOMA TUMOR SUPPRESSOR

NUMBER OF SEQUENCES: 51

RESPONSE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

QY	2407	CACATGCGACATGATAACCTTCCCGAGGTTCTGTGTTTATGGCCACATTTAAATATCTTCACCTT	2466
DE	2477	CAGATGAGCTGATATAAATTTTCCAGATCTCTGTTTATGAGCCACATTAATAATCTTCAGCT	2736
QY	2467	CTTTTCTTGGATATAAAATGTGGACATGCCTTTTGGGTGATGCTCAAGCCACACTTGAA	2526
DE	2497	CTTTTCTTGGATATAAAATGTGGACATGCCTTTTGGGTGATGCTCAAGCCACACTTGAA	2796
QY	2527	ATGTAGTCAATGTTATTTATACAGAGATGAAAACTCTGTGTAAATGCTCTGCATTTAAAA	2586
DE	2597	ATGTAACATATCTTAATTAATACAAAGATGAAAACTCTGTGTAAATGCTCTGCATTTAAAA	2856
QY	2587	ASHTGTAACATATGTTTCTGCTGTGCAAGATGAAAAATGCTCTGTCTATATGATAGTAAGA	2649
DE	2857	AGTTGTATGAGATCTTTCTGCTTTGCAAGTAAAAATGCTCTGTCTTATGATAGTATAGA	2916
QY	2947	ATGGGTCTACATGCGACATCTGATCAACCGAGGCTGCTGTGATCTGGCTCTCTCTTC	2706
DE	2917	ATGGGTCTACATGCGACATCTGATCAACCGAGGCTGCTGTGATCTGGCTCTCTCTTC	2976
QY	2307	TAGCATATAGTGCATCTTTTGTCTTTGTTTATTAATTTATATGCTATATTTTAAATTT	2766
DE	2977	TAGCATATAGTGCATCTTTTGTCTTTGTTTATTAATTTATATGCTATATTTTAAATTT	3036
QY	2767	AATATGAATACCTCTACAAAATGTGCTCTATCTATCTTCCAAATGCAATTTGATGACATC	2826
DE	3047	AATATGAATACCTCTACAAAATGTGCTCTATCTATCTTCCAAATGCAATTTGATGACATC	3096
QY	2827	CCCATATGACAAAATATGCTGTGAACATCTCTGCAAAAATGCAATATATACAAAATTAGAA	2886
DE	3097	CCCATATGACAAAATATGCTGTGAACATCTCTGCAAAAATGCAATATATACAAAATTAGAA	3156
QY	2887	AAAAATTATTAATTTTACACATTAATTTTATTTATTTGTAATCTGATATACATCTGT	2946
DE	3167	AAAAATTATTAATTTTACACATTAATTTTATTTATTTGTAATCTGATATACATCTGT	3216
QY	2947	GGTTGTTTTTAAAAATTTTCTCTTTTAATTAATAAAGCTGGGAATCAAACTATAAATATA	3006
DE	3217	GGTTGTTTTTAAAAATTTTCTCTTTTAATTAATAAAGCTGGGAATCAAACTATAAATATA	3276
QY	3007	TCAATATTAATACATCAAAACATCTTCAATCTCTGCAATCTGTAAGCAATCTTACTCAT	3066
DE	3277	TCAATATTAATACATCAAAACATCTTCAATCTCTGCAATCTGTAAGCAATCTTACTCAT	3336
QY	3067	TATTTCTTCATCCAACTATGTTTTTAAATGAGGATTAATGTATAT	3113
DE	3347	TATTTCTTCATCCAACTATGTTTTTAAATGAGGATTAATGTATAT	338

Search completed: January 18, 2003, 04:27:16
Job time : 121.044 secs

FROM APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: <UNKNOWN>
 ATTORNEY/AGENT INFORMATION:
 NAME: Bidler, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/DOCKET NUMBER: UTXC:506
 TELEPHONE/COMMUNICATION INFORMATION:
 TELEPHONE: 512/418-3000
 TELEFAX: 512/474-7577
 INFORMATION FOR SEQ ID NO: 34:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3266 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURES:
 NAME/KEY: CDS
 LOCATION: 7..2502
 SEQUENCE DESCRIPTION: SEQ ID NO: 34:
 US 09 459-522-34

Alignment Scores:

Prod. No.: 0 Length: 3266
 Score: 4278.00 Matches: 832
 Percent Similarity: 100.00% Gaps: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09 026-459a-35 (1-832) x US 09 459 522-34 (1-3266)

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 DB 67 TTTACTGAGCTACAGAAAACATAGAAATACAGTGTCCATAAATCTTTAACTTACTAAAA 126
 QY 41 GluIleAspThrSerThrLysValAspAsnAlaMetSerArgLeuLeuLysLysTyraSp 60
 DB 127 GAAATTCATACAGTACCAAGATGCTAATGCTATGCTACAGCTGTGCAACAGATATCAT 186
 QY 61 ValLeuPheAlaLeuPheSerLysLeuGluArgThrCysGluLeuIleTyLeuThrGln 80
 DB 187 GTATTCTTTGCACTTTTCAATATTTGCAATATTTGCAATATTTGCAATATTTGCAAT 246
 QY 81 ProSerSerSerIleSerThrGluIleAsnSerAlaLeuValIlyLysValSerTrpIle 100
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 QY 101 ThrPheLeuLeuAlaLysGlyIleValLeuGlnMetGluAspAspLeuValIleSerPhe 120
 DB 307 ACAATTTTATTTACCTAAACGGCAATATTTACAAATCCCAAGATGATGCTGCTATTCATT 366
 QY 121 GlnLeuMetLeuCysValLeuAspTyPheIleLysLeuSerTrpProMetLeuLeuLys 140
 DB 367 CAGTTAATGCTATGCTGCTGCTATTTTATTAATCTCTACCTGCTGCTGCTGCTGCTGCT 426
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 DB 487 CATAATAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 546
 QY 181 LeuTyLeuGlnIlySerGlnIlySerGlnIlySerGlnIlySerGlnIlySerGlnIly 200
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DB 607 ATACCTTTTATGAAATCTCTTGGCACTTGTAATCTAATGCACTTCCACAGATTCAGAAA 666
 QY 221 LeuSerLysArgTyGluGluIleTyLeuLysAlaLysAspLeuAspAlaArgLeuPhe 240
 DB 667 CTTCCTAAACGGATACCAACAAATTTATCTTAAAAATAAAGATCTACATCCCAACATATTT 726
 QY 241 LeuAspHisAspLysThrLeuGlnThrAspSerIleAspSerPheGluThrGlnArgThr 260
 DB 727 TTGATATATGATATAAATCTCTTAGACTGATTCATGATAGAGAGTITIGAAAAGAGAAACA 786
 QY 261 ProArgLysSerAspIleCysAspGluValAsnValIleProPheHisThrProValArg 280
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 DB 1387 ATCAAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1446
 QY 481 LysAspArgGluGlyProThrAspHisLeuGluSerAlaCysProLeuAsnLeuProLeu 500
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 QY 501 GlnAsnAspHisThrAlaAlaAspMetTyIleuSerProValArgSerProLysLys 520
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 QY 521 GlySerThrArgValAsnSerThrAlaAsnAlaGluThrGlnAlaThrSerAlaPhe 540
 DB 1567 GGTCAACTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1626
 QY 541 GlnThrGlnIlySerProLysLysSerThrSerLeuSerLeuPheTyIlyValIlyArg 560
 DB 1627 CACATGAGAGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1686
 QY 561 LeuAlaTyLeuArgLeuAsnThrLeuCysGluArgLeuLeuSerGluHisProGluLeu 580

142	Asn	Arq	Ser	Ala	Arg	Ile	Ala	Lys	Glu	Leu	Leu	Glu	Asn	Asp	Thr	Arg	Ile	Ile	Glu	Val	Leu	181
143																					182	
144	AAC	ACG	ACG	TCG	ACG	AGT	AAA	CAAA	AACT	TAG	AAA	ATG	ATG	ATG	ATG	ATG	ATG	ATG	ATG	ATG	606	
145																					607	
146	Cys	Trp	Ser	His	Cys	His	Cys	Asn	Ile	Asp	Glu	Val	Lys	Asn	Val	Trp	Phe	Gly	Ser	Phe	Leu	201
147																					202	
148	TGT	AAA	AAA	ATC	ATC	TAT	TAT	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	656	
149																					657	
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151																					222	
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154	Ser	Trp	Ser	Ala	Trp	Glu	Glu	Leu	Leu	Leu	Lys	Asp	Leu	Asp	Leu	Asp	Ala	Arg	Lys	Phe	Leu	241
155																					242	
156	TCT	AAA	CGA	TAC	CAAC	AAAT	TAT	TTC	AAAAA	TAA	AGAT	CTA	GAT	CGA	CAAT	TAT	TTC	TTC	TTC	TTC	786	
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158	Asp	Ala	Ser	Lys	Thr	Leu	Glu	Thr	Asp	Ser	Ile	Asp	Ser	Phe	Glu	Ile	Glu	Arg	Thr	Pro	261	
159																					262	
160	GAT	TAT	TAT	AAA	TCT	TTC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	ATC	846	
161																					847	
162	Arg	Lys	Ser	Asn	Leu	Asp	Glu	Val	Asn	Val	Ile	Pro	Pro	His	Thr	Pro	Val	Arg	Thr	281		
163																					282	
164	CGA	AAA	AACT	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	TTC	906	
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166	Val	Met	Asn	Thr	Ile	Glu	Glu	Leu	Met	Met	Ile	Leu	Asn	Ser	Ala	Ser	Asp	Glu	Pro	Ser	301	
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168	GTA	TAC	AC	AC	AC																	

[illegible]

RESULTS 3

REF: 5011 3
02-09-469 522-30

; Sequence 30, Application US/09469522

: Patent No. US20020151461A1

TELEPHONE NO. 6320020195
; GENERAL INFORMATION :
; GENERAL INFORMATION :

APPLICANT: Xu, Hong-Ji

; xu, hong - xi
; hu, shi - xue

hu, Shi xue
; Benedict, William F.

Zhou, Yunli

	ZHOU, YUNLI	TUMOR SUPPRESSOR
	TITLE OF INVENTION: MODIFIED RETINOBLASTOMA TUMOR SUPPRESSOR	

PROTEINS

NUMBER OF SEQUENCES: 51
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Burke
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210-4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Paton to release #1.0 Version #1.40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/469,522
 FILING DATE: 22 Dec 1999
 CLASSIFICATION: Unknown

PROTEIN APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: Unknown
 ALTERNATIVE INFORMATION:
 NAME: Biblet, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/BOOK NUMBER: 01X:506

TELEPHONE: 512/418-4000
 TELEFAX: 512/474-7777
 INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHAPARTYPE: 1
 LENGTH: 4992 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear

FEATURE:
 NAME/KEY: CDS
 LOCATION: 7..2628

SEQUENCE DESCRIPTION: SEQ ID NO: 40:
 US 09-469,522 40

Alignment Scores:
 Seq. No.: 0 Length: 4992
 Score: 4274.00 Matches: 831
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.88% Indels: 0
 LB: 10 Gaps: 0

US 09-026-459A 35 (1 832) x US-09-459-522-30 (1-4992)

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 Db 256 AATGATACAGTACAGAAATGATATAAGGATGATGATGATGATGATGATGATGATG 315
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 Q7 142 ProTyrLysThrAlaValIleProIleAsnGlySerProArgThrProArgAspGlyGln 161
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106 669 AAGAGTTGATATCTACTGAAATAAATTCGATGGTGTCTAAAAGTTCTTGATCACA 728
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108 129 TTTTATTAAGCTAAAGAGGAAATATTAAATGAAATGATGCTGATTTATTTAG 788
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111 142 ProTyrLysThrAlaValIleProIleAsnGlySerProArgThrProValArgGlyGln 161
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114 909 AAAGAGTGCAGGATAGCAAAACAACTAGAAATGATACAAAGATTTATTGAAGTTCTC 968
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117 202 ProPheMetAsnSerLeuGlyLeuValThrSerAsnGlyLeuProGluValGluAsnLeu 221
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129 322 ArgValLysAspIleGlyTyrIlePheLysGlnLysPheAlaLysAlaValGlyGlnGly 341
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131 342 CysValIleIleGlySerCysArgTyrLysLeuGlyValArgLeuTyrTyrArgValMet 361
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137 402 TyrSerArgSerThrSerGlnAsnLeuAspSerGlyThrAspLeuSerPheProIle 421
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1759 2049 ACCAGCAAGCCATCAAAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 2108
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RESULT 8

US-09-469-522-50

Sequence 50, Application US/09469522

Patent No. US29020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Hu, Shi-Xue

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED RETINOBLASTOMA TUMOR SUPPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.33

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 09/026,459

FILING DATE: 22-Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Hiblet, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/DOCKET NUMBER: UTXC:506

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-3000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 50:

SEQUENCE CHARACTERISTICS:

LENGTH: 3554 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

FEATURE:

NAME/KEY: CDS

LOCATION: 7..2790

SEQUENCE DESCRIPTION: SEQ ID NO: 50:

US-09-469-522-50

Alignment Scores:

Pred. No.:

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4263.00

Length:

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Matches:

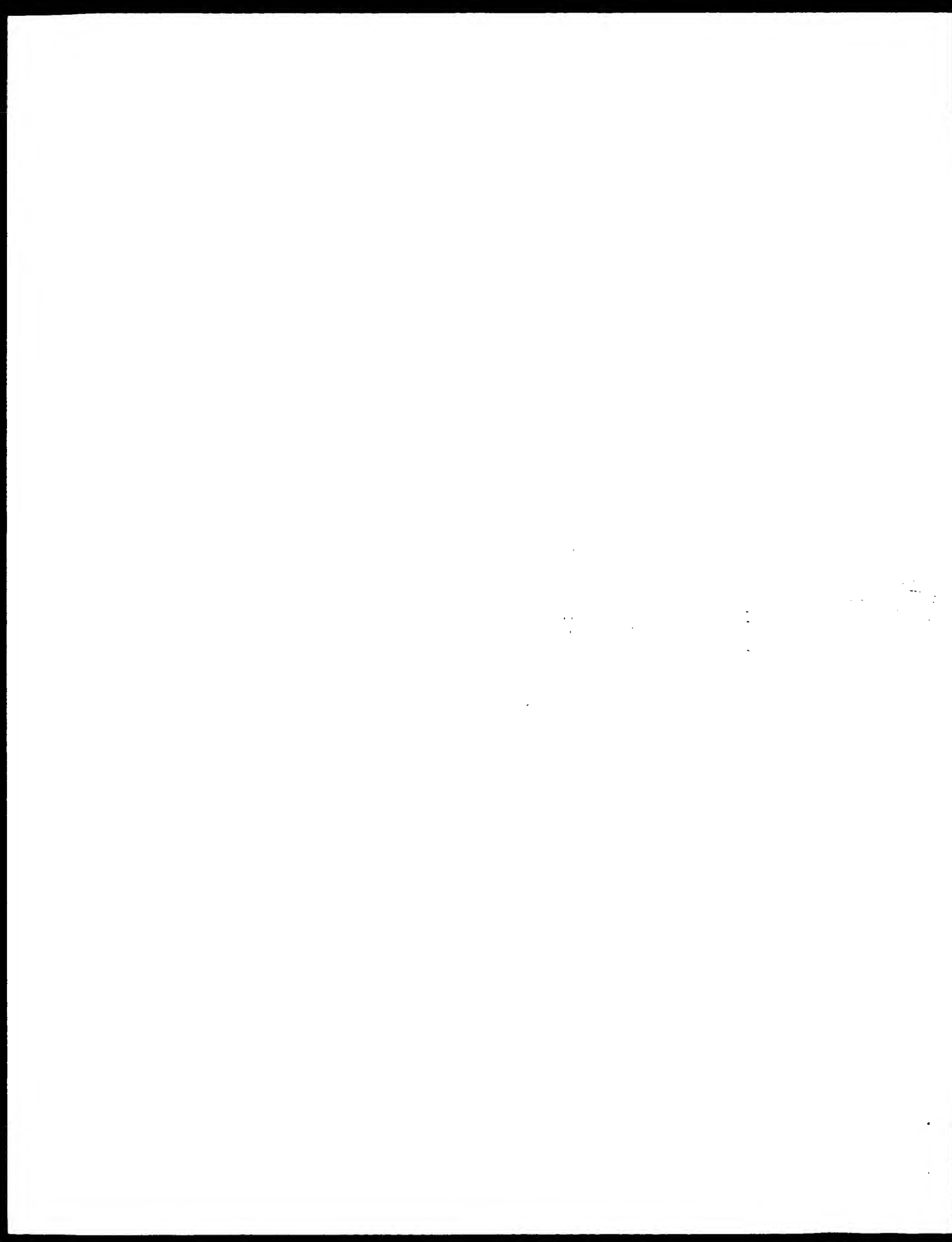
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CM nucleic acid search, using sw model

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SUMMARIES

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7	4024.6	89.4	4392	10	US-09-469-522-30 Sequence 30, Appl
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ALIGNMENTS

RESULT 1
seq 469 522 48
Sequence 46, Appl 100% 522-48

Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Bu, Shi-Xue

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED RECOMBINANT ALPHA TUMOR SUPPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-09/469-522

FILING DATE: 22 Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/026-459

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Hiblet, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/KEY NUMBER: UTX:506

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-4000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 48:

SEQUENCE CHARACTERISTICS:

LENGTH: 3483 base pairs

TYPE: nucleic acid

[illegible][illegible]

[illegible][illegible]

[illegible]


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1  CLASSIFICATION: Unknown
2  PROBE APPLICATION DATA:
3  APPLICATION NUMBER: 09/026,459
4  FILING DATE: Unknown
5  ALTERNATE/AGENT INFORMATION:
6  NAME: Hubert, David W.
7  REGISTRATION NUMBER: 41,071
8  REFERENCE/checked NUMBER: 09/026,459
9  TELEPHONIC INFORMATION:
10 TELEPHONE: 512/418 3000
11 TELEFAX: 512/474 7577
12 INFORMATION FOR SEQ ID NO: 46:
13 SEQUENCE CHARACTERISTICS:
14 LENGTH: 4113 base pairs
15 TYPE: nucleic acid
16 STRANDEDNESS: single
17 TOPOLOGY: linear
18 FEATURE:
19 NAME/KEY: CDS
20 LOCATION: 7..2449
21 SEQUENCE DESCRIPTION: SEQ ID NO: 46:
22 US 09 469 522 46
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24      Query Match      81.2%   Score 2748.6;   DB 10;   Length 3113;
25      Best Local Similarity 94.4%;   Pred. No. 0;
26      Matches 2942;   Conservative 0;   Mismatches 4;   Indels 171;   Gaps 1;
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Gapop 10.0, Gapext 1.0

Searched: 49468 seqs, 222934149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 6

Maximum DB seq length: 200000000

Post processing: Minimum Match 9%

Maximum Match 100%

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Database: Published Applications, NA:*

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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	4226	97.1	3492	10	US-09-459-522-40 Sequence 30, Appl
6	4226	97.1	3455	10	US-09-459-522-28 Sequence 28, Appl
7	4226	97.1	3555	10	US-09-459-522-1 Sequence 1, Appl
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10	4212	96.7	3218	10	US-09-459-522-3 Sequence 3, Appl
11	4107	93.5	3113	10	US-09-459-522-36 Sequence 36, Appl
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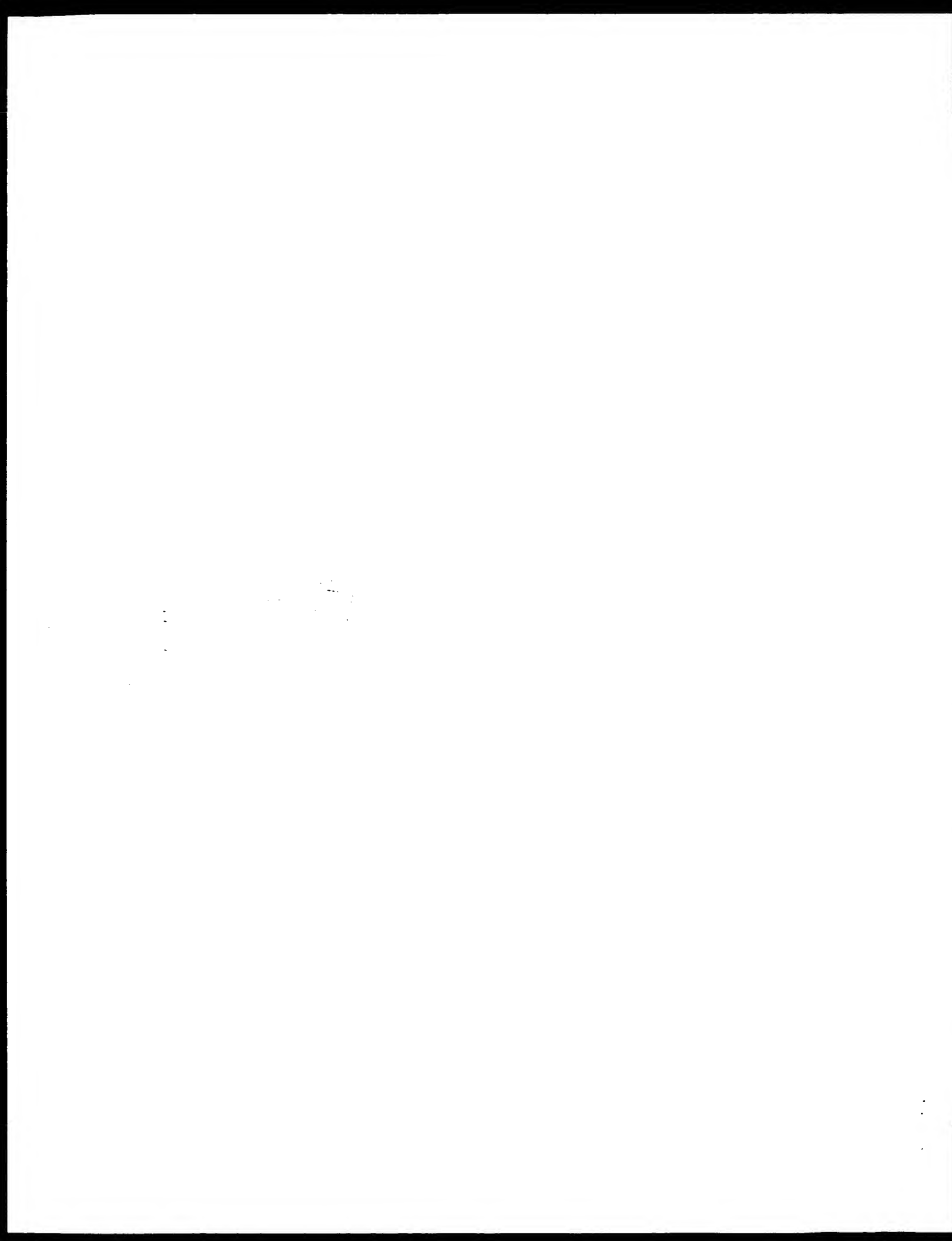
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ALIGNMENTS

RESULT 1
US-09-459-522-38
: Sequence 38, Application US-09469522
: Patent No. US20020151461A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
: Hu, Shi-Xue
: Benedict, William F.
: Zhou, Yu-Li
: TITLE OF INVENTION: Modified RETINOLAST-MA 10MER SUPPRESSOR
: PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Durkee
: STREET: P.O. Box 4434
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4434
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.40
: CURRENT APPLICATION DATA: US-09/459-522
: APPLICATION NUMBER: US-09/459-522
: FILING DATE: 22-Dec-1999
: CLASSIFICATION: <unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/026,459
: FILING DATE: <unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Hileer, David W.
: REGISTRATION NUMBER: 41,071
: REFERENCE/WORK KEY NUMBER: 01X-506
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 512/418-4000
: TELEFAX: 512/474-7577
: INFORMATION FOR SEQ ID NO: 48:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3323 base pairs
: TYPE: nucleic acid

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Searches: 93868 seqs, 22294149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post processing: Minimum Match 9%

Maximum Match 100%

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6	4111	92.1	4347	US 09 469 522 42	Sequence 42, Appl
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 Sequence 342, Appl
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 Sequence 154, Appl
 Sequence 5558, Ap
 Sequence 1234, A
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 Sequence 12458, A
 Sequence 2769, Ap
 Sequence 4147, Ap
 Sequence 4050, Ap
 Sequence 749, Appl
 Sequence 5166, Ap
 Sequence 4, Appl

ALIGNMENTS

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 Patent No. US20020151461A1
 GENERAL INFORMATION:
 APPLICANT: Xu, Hong-Ji
 In. Shi Xue
 Benedict, William F.
 Zhou, Yunli
 TITLE OF INVENTION: MODIFIED ROLIN/BLASTOMA TUMOR SUPPRESSOR
 PROTEINS
 NUMBER OF SEQUENCES: 51
 CORRESPONDENCE ADDRESS:
 ADDRESS: Arnold, White & Burke
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210 4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/469,522
 FILING DATE: 22-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/026,459
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Hibler, David W.
 REGISTRATION NUMBER: 41,071
 REFERENCE/DOCKET NUMBER: UICX:506
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 542/418 3000
 TELEFAX: 512/474 7577
 INFORMATION FOR SEQ ID NO: 46:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3477 base pairs
 TYPE: nucleic acid

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 27 132 AlalysylGluValIleuGluMetGluAspAspLeuValIleuSerPheIleuLeuMetLeu 151
 16 739 GTAAAGGCAAGATATCAAAATGCAAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 798
 27 152 CysValIleuAspTyrPheIleuLysLeuSerProPheMetLeuLeuLysGluProTyrLys 171
 16 799 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 858
 27 172 ThrAlaValIleuProIleuAsnLysSerProGluThrProGluThrProGluThrProGlu 191
 16 859 AATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 918
 27 192 AlaThrAlaLysIleuLeuGluAsnAspThrArgIleuGluValIleuCysLysGlu 211
 16 919 GATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 978
 27 212 HisGluCysAsnIleuAspIleuValLysAsnValTyrPheLysAsnPheIleuProPheMet 231
 16 979 CATCAAGTAAATATCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1038
 27 232 AsnSerLeuGluValIleuThrSerAsnGlyLeuProGluValGluAsnLeuSerLysArg 251
 16 1039 AATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1098
 27 252 TyrGluIleuLysLeuLysAsnLysAspIleuAspIleuThrPheIleuPheIleuAsp 271
 16 1099 TATCAAGTAAATATCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1158
 27 272 LysThrLeuGluThrAspSerIleuAspSerPheGluThrGluArgThrProArgLysSer 291
 16 1159 AAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1218
 27 292 AsnLeuAspIleuThrValAsnValIleuProPheIleuProValIleuThrValMetAsn 311
 16 1219 AATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1278
 27 312 ThrIleuGluIleuLeuMetIleuLeuAsnSerAlaSerAspGluProSerGluAsnLeu 331
 16 1279 ATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1338
 27 332 ProSerTyrPheAsnAsnCysThrValAsnProLysGluSerIleuLeuLysArgValLys 351
 16 1339 AATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1398
 27 352 AspIleuGlyTyrIleuPheLysLeuLysPheAlaValIleuGlyLeuGlyCysValGlu 371
 16 1399 GATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1458
 27 372 IleuLysSerGluArgTyrLysLeuGlyValArgLeuTyrTyrArgValMetGluSerMet 391
 16 1459 ATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1518
 27 392 LeuLysSerLeuLeuValArgLeuSerIleuAsnProSerLysLeuLeuAsnAspAsn 411
 16 1519 CTAAATATCAAGTAAATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1578
 27 412 IleuPheIleuMetSerLeuLeuValLysAlaIleuLeuValIleuValIleuThrTyrSerArg 431
 16 1579 ATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1638
 27 432 SerThrSerGluAsnLeuAspSerGlyThrAspLeuSerPheProIleuLeuAsnVal 451

16 1639 AGTAACTAAATTCAGTAAATGCTAATGCAACACAGCTGTCGAAAGAGTATGATGCTTCCCA 1698
 27 452 LeuAsnLeuLysAlaPheAspPheTyrLysValIleuLeuSerPheIleuLysAlaLeuLeu 1758
 16 1699 CTAAATTTAAAGCTTTGATTTTAAAGTATGCTGAAAGCTTTATCAAAATCAAGAGCT 1758
 27 472 AsnIleuThrArgGluMetIleuLysHisLeuGluArgCysLeuHisArgIleuMetGluSer 491
 16 1759 AATTTGCAAGCAATATGATAAATATTAGAAATGATGTGAATATGCAATATGCAATATGCAATATG 1818
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 16 1819 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1878
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 27 532 ThrAlaAlaAspMetTyrLeuSerProValArgSerProLysLysLysLysLysLysLysLys 551
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 16 1999 CGTCTAAATCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2058
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 27 592 ArgLeuAsnThrLeuCysLeuArgLeuSerGluHisProGluLeuLeuHisIleuIleu 611
 16 2119 GAGCTAAATATATTTGCTGAAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2178
 27 612 TrpThrLeuPheGluIleuThrLeuGluAsnGluTyrGluLeuMetArgAspAlaHisLeu 631
 16 2179 TGCACCTTTTCCAGCAGACACCTGTGCAAGAGTATGCAATGCAATGCAATGCAATGCAATGCAATG 2238
 27 632 AspGluIleuMetMetCysSerMetTyrGlyLysValLysAsnGluAspLeuLys 651
 16 2239 GAGCAATATATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2298
 27 652 PheLysIleuValThrAlaTyrLysAspPhePheIleuValIleuThrThrPheLys 671
 16 2299 TTTAAATATTTGCTGAAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2358
 27 672 ArgValLeuIleuLysIleuGluTyrAspSerIleuValIleuPheTyrAsnSerValPhe 691
 16 2359 CGTCTTTCATCAAAAGAGAGGAGTATGATATATATATATATATATATATATATATATATATATAT 2418
 27 692 MetGluArgLeuLysThrAsnIleuLeuGluTyrAlaSerThrArgProThrLeuSer 711
 16 2419 ATGCAAGATGCAAAATATATTTGCTGAAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2478
 27 712 ProIleuProHisIleuProArgSerProTyrLysPhePheSerProLeuLeuArgIleuPro 731
 16 2479 GATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 2538
 27 732 GlyGlyAsnIleuTyrIleuSerProLeuLysSerProTyrLysIleuSerGlyLeuPro 751
 16 2539 GGAGGCAACATCATATATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2598
 27 752 ThrProThrLysMetThrProArgSerArgIleuValSerIleuLysLysSerPheLeu 771
 16 2599 ACACCAACAAAATGATGCTGCAAGATCAAGAAATTTAGTATCAATTTGCTGCTGCTGCTGCTGCTGCT 2658
 27 772 ThrSerGluLysPheGluLysIleuAsnGluMetValTyrAsnSerAspArgValLys 791
 16 2659 ACTTCTGCAAGTTCAGAAATATATATATATATATATATATATATATATATATATATATATATATAT 2718
 27 792 ArgSerAlaGluLysArgAsnProProLysProLeuLysLysLeuArgPheAspIleuGlu 811
 16 2719 AGAAGTCTGCAAGCAACACCTCTTAAAGCTTAAAGCTTAAAGCTTAAAGCTTAAAGCTTAAAGCTTAA 2778

SEQUENCE CHARACTERISTICS:
 LENGTH: 1455 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 topology: linear

FEATURES:
 NAME/KEY: CDS
 LOCATION: 7..2691
 SEQUENCE DESCRIPTION: SF01 ID NO: 28;
 US 09-026-459a-43 (1-859) x US 09-469-522-28 (1-3455)

Alignment Scores:

Seq. No.	Length	Matches	Conservation	Mismatches	Indels	Gaps
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506  CGAAATCAAGAAACCCCTGCAAGAGCCTGATGATTCACCTTATTTCATCTTATAACAA 1569
507  SerLysAspArgLeuThrProThrAspHisLeuGlnIleSerAlaCysProLeuAsnLeuPro 526
526  TCAAAAGACGAGAAAGGAGGACATGATGATGATGATGATGATGATGATGATGATGAT 1529
527  LeuGlnAsnAspHisThrAlaAlaAspMetTyrLeuSerProValArgSerProLysLys 546
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547  LysLysSerThrThrArgValAsnSerThrAlaAsnAlaGlnThrGlnAlaThrSerAla 566
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606  CGGATAGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1869
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407 807 ArgPheAspIleGlnGlySerAspGlnAlaAspGlySerLysHisIleProGlyGlnSer 826
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RESULT 10
US-09-469 522-44
: Sequence 44, Application US/09469522
: Patent No. US20020151461A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
: Hu, Shi-Xue
: Benedict, William F.
: Zhou, Yunli
: TITLE OF INVENTION: MODIFIED PENTAPLASTOMA TUMOR SUPPRESSOR
: PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Durkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4433
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09-469,522
: FILING DATE: 22-Dec-1999
: CLASSIFICATION: <Unknown>
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: 09/026,459
: FILING DATE: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Hibler, David W.
: REGISTRATION NUMBER: 41,071
: REFERENCE/DOCKET NUMBER: UICX:506
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 512/418-3000
: TELEFAX: 512/474-7577
: INFORMATION FOR SEQ ID NO: 44:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3161 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7..2397
: SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-09-469-522-44
Alignment Scores:
Pred. No.: 0 Length: 3161
Score: 4103.00 Matches: 797
Percent Similarity: 92.79% Conservative: 0
Best Local Similarity: 92.78% Mismatches: 0
Query Match: 92.14% Indels: 62
DB: 10 Gaps: 1

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 113 ----- 113
 360 AGTTGATATCTACTGAAATAAATTCGATGGTGTAAAGATTTCTTGGATCAAAATTT 369
 114 ----- 114
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OR nucleic nucleic search, using SW model

Run on: January 16, 2003, 15:20:22 : Search time 86.9558 seconds
(without alignments)
16420.731 Million cell updates/sec

Title: US 09-026-459A-44

Perfect score: 4161
Sequence: 1 CCGGTCATGCGGCGGAAAC.....AAATGAGGATTATTCATGAT 4161

Scoring tables: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 99968 seqs, 22294149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post processing: Minimum Match ok
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Listing first 45 summaries

Database: Published Applications, NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	2945	92.9	4377	19	US-09-469-522-46 Sequence 46, Appl
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5	2827.4	89.4	4218	19	US-09-469-522-3 Sequence 3, Appl
6	2827.4	89.4	4266	19	US-09-469-522-34 Sequence 34, Appl
7	2827.4	89.4	4323	19	US-09-469-522-32 Sequence 32, Appl
8	2827.4	89.4	4323	19	US-09-469-522-38 Sequence 38, Appl
9	2827.4	89.4	4392	19	US-09-469-522-30 Sequence 30, Appl
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16	2143.8	67.4	2995	19	US-09-860-211-7 Sequence 7, Appl
17	428	14.5	451	9	US-09-796-692-7740 Sequence 7740, Ap
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19	129	4.1	129	10	US-09-864-761-19910 Sequence 19910, A

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24	51	1.5	3747	12	US-10-025-676-2	Sequence 2, Appl
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ALIGNMENTS

RESULT 1

US 09 469 522 44

Sequence 44, Application US/09469522

Patent No US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Inu, Shi-Xue

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED PHENOLASTIC-MA LOW-P SHIPRESSOR

PROTEINS

NUMBER OF SEQUENCES: 51

CORRESPONDING ADDRESS:

ADDRESSEE: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA: Patent Release #1.0, Version #1.00

APPLICATION NUMBER: US/09/469,522

FILING DATE: 22 Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/026,459

FILING DATE: <Unknown>

AUTHOR/AGENT INFORMATION:

NAME: Hibler, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/DOCKET NUMBER: UTX:606

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512/418-6000

TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 3161 base pairs

TYPE: nucleic acid

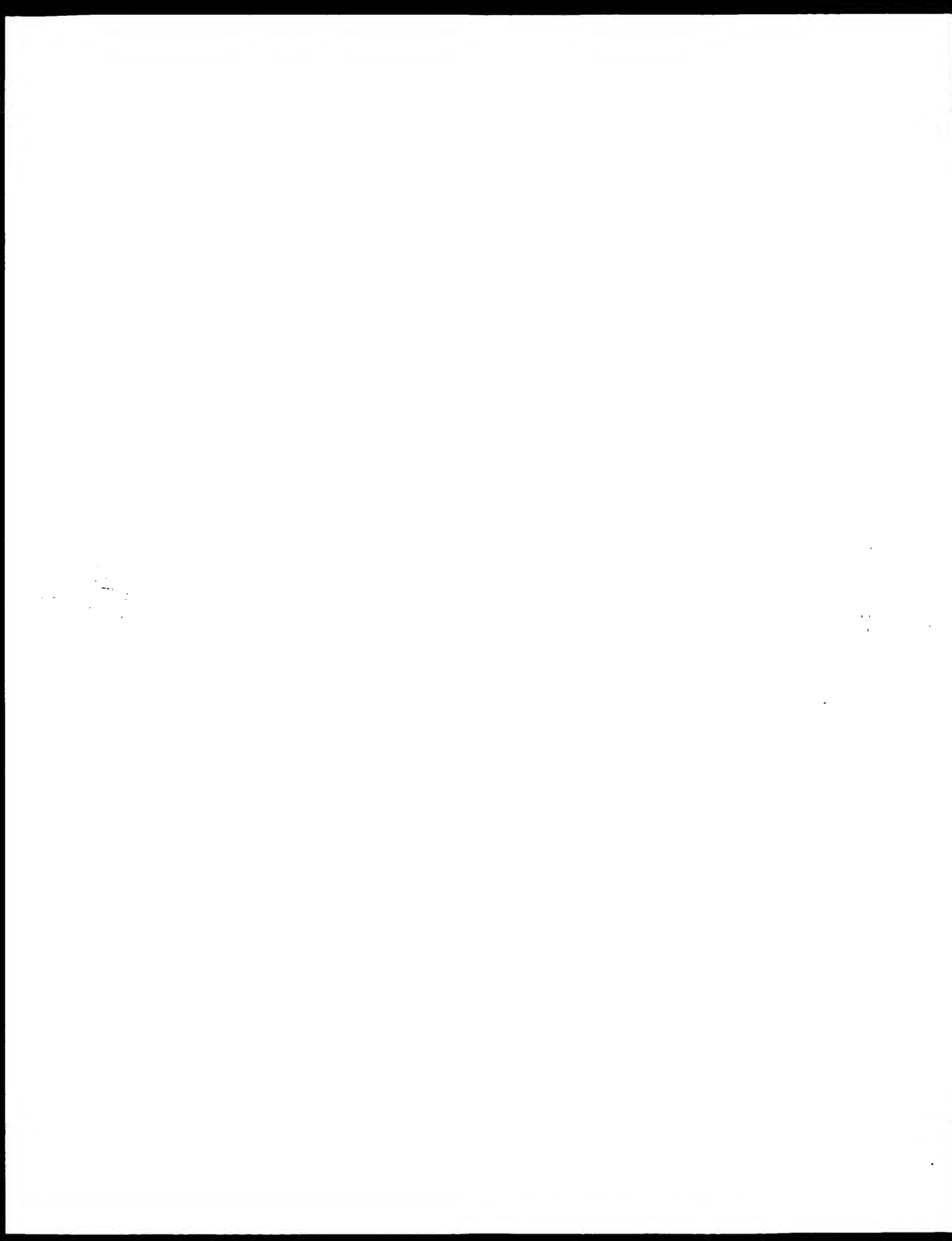
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3531 TGTAAATGCGTTCATGAGACATGCAAAACAAATATTTTCAGTATGTTTACCA 3589

RESULT 13
US-09-469-522-1
: Sequence 1, Application US/09469522
: Patent No. US20020151461A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
: Hu, Shi-Xue
: Benedict, William F.
: Zhou, Yunli
: TITLE OF INVENTION: MODIFIED RETINOLASOMA TUMOR SUPPRESSOR
: PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Durkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4433
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent in Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/469,522
: FILING DATE: 22-Dec-1999
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/026,459
: FILING DATE: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Hibler, David W.
: REGISTRATION NUMBER: 41,071
: REFERENCE/DOCKET NUMBER: UTXC-506
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 512/418-3000
: TELEFAX: 512/474-7577
: INFORMATION FOR SEQ ID NO: 1:
: SOURCE CHARACTERISTICS:
: LENGTH: 3555 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7..3790
: SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-469-522-1
Query Match 89.4% Score 2827.4; DB 10; Length 3555;
Best local Similarity 99.6%; Pred. No. 0;
Matches 2894; Conservative 6; Mismatches 11; Indels 0; Gaps 0;
317 TGTAAATGCGTTCATGAGACATGCAAAACAAATATTTTCAGTATGTTTACCA 376



QY 429 SerLeuAlaTrpLeuSerAspSerProLeuPheAspLeuIleLysGlnSerLysAspArg 448
 DB 1507 TCCCTGGATGGCTTCACAGATACACCTTATTTGATCTTATTTAAACAATCAAAAGCAGCA 1506
 QY 449 GluGlyGlnThrAspHisLeuGlnSerAlaCysProIleAsnLeuProIleGlnAsnAsn 468
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 DB 1687 ACCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1746
 QY 509 LysProLeuLysSerThrSerProIleGlnSerProIleGlnSerProIleGlnSerPro 528
 DB 1747 AAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1806
 QY 529 LeuArgLeuAsnThrLeuCysGlnArgLeuSerGlnHisProGlnLeuGlnHisIle 548
 DB 1807 CTCCGCGTAAATACATCTGCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1866
 QY 549 IleTrpThrLeuPheGlnHisThrLeuGlnAsnGlnLysGlnLeuMetArgAspArgHis 568
 DB 1867 ATCTGATACCTCTCTCCACCAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1926
 QY 569 LeuAspThrLeuMetCysSerMetProGlyLeuCysLysValHisAsnLeuAspLeu 588
 DB 1927 TTGAAATATATATATATATATATATATATATATATATATATATATATATATATATATAT 1986
 QY 589 LysPheLysIleLeuValThrAlaTrpLysAspLeuProHisAlaValGlnGlnThrPhe 608
 DB 1987 AAATCAACAATCAATCAACAATCAACAATCAACAATCAACAATCAACAATCAACAATCA 2046
 QY 609 LysArgValLeuLeuLysSerLeuGlnLysAspSerIleValValPheLysSerSerVal 628
 DB 2047 AAAGGCGCTTGAATCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 2106
 QY 629 PheMetGlnArgLeuLysThrAsnLeuGlnTrpAlaSerThrArgProHisThrLeu 648
 DB 2107 TTGATGACAGAGATGAGAAATGAAATATATATATATATATATATATATATATATATATAT 2166
 QY 649 SerProIleProHisIleProAlaGlnSerProTyrLysPheProSerSerProLeuArgIle 668
 DB 2167 TCAATAATATATATATATATATATATATATATATATATATATATATATATATATATATAT 2226
 QY 669 ProGlyLysAsnIleTyrIleSerProLeuLysSerProTyrLysLysSerProGlyLeu 688
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 QY 689 ProThrProThrLysMetThrProArgSerArgIleValSerIleGlyGlnSerPhe 708
 DB 2287 GCAAAATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 2346
 QY 709 GlyThrProGlnLysPheGlnLysIleAsnGlnMetValCysAspSerArgValLeu 728
 DB 2347 GGCACCTCTGAGAGATCCACAGAAATAAATCAGATGCTATGTAACAGCAAGCTCTGCTC 2406
 QY 729 LysArgThrAlaGlnLysSerAsnProProLysProLeuLysLysLeuArgPheAspIle 748
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 QY 749 GlnGlySerAspGlnAlaAspGlyLysIleSerProGlyGlnSerLysPheGlnGln 768
 DB 2467 GAAATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 2526
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 DB 2527 AAAATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 2586
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DB 2587 ATGGATACCTCAAAACAAGGAAGAGAAA 2613
 RESULT 4
 US-09-469-522-50
 : Sequence 50, Application US/09469522
 : Patent No. US20020151461A1
 : GENERAL INFORMATION:
 : APPLICANT: Xu, Hong-Ji
 : Hu, Shi-Xue
 : Henedict, William F.
 : Zhou, Yunli
 : TITLE OF INVENTION: MODIFIED RETINOLANOMA TUMOR SUPPRESSOR
 : PROTEINS
 : NUMBER OF SEQUENCES: 51
 : CORRESPONDENCE ADDRESS:
 : ADDRESS: Arnold, White & Burke
 : STREET: P.O. Box 4433
 : CITY: Houston
 : STATE: TX
 : COUNTRY: USA
 : ZIP: 77210-4433
 : COMPUTER AVAILABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent in Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APL: 77210-4433
 : FILING DATE: 22-Dec-1999
 : CLASSIFICATION: <Unknown>
 : APPLICATION NUMBER: 09/026,459
 : FILING DATE: <Unknown>
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Hibler, David W.
 : PRESTIPATION NUMBER: 41,071
 : REFERENCE/DECKET NUMBER: UIX:506
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 512/418-3000
 : TELEFAX: 512/474-7577
 : INFORMATION FOR SEQ ID NO: 50:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 3554 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: 7..2790
 : SHEET: 1 OF 1
 : SEQID: 50
 : US-09-469-522-50
 Alignment Scores:
 Pred. No.: 0 Length: 3554
 Score: 4068.50 Matches: 797
 Percent Similarity: 85.88% Conserv: 0
 Best Local Similarity: 85.88% Mismatches: 0
 Query Match: 98.18% Indels: 131
 DB: 10 Gaps: 1
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 QY 1 MetProProLysThrProArgLysThrAlaIleAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 20
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 QY 21 ProAlaProProProProProProProProProProProProProProProProProProPro 40
 DB 67 CCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 126
 QY 41 AspLeuProLeuValArgLeuGluPheGluThrGluGluProAspPheThrAlaLeu 60


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DB 2487 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2466
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DB 2467 ACACCAACAAAAAGACTCCAGACATCAAGAACTTACTAGTATCAATTCGCGAATCAATCGG 2526
QY 710 ThrSerGlnLysPheGlnLysIleAsnGlnMetValCysAspSerAspArgValLeuLys 729
DB 2527 ACCTGACAGAACTTCCAGAAAAAATAATCATCATGATGATTAACAGCCAGCCCTGCTGCAAA 2586
QY 730 ArgSerAlaGluGlySerAsnProPheLysProLeuLysIleGlyLeuArgIleAspIleGlu 719
DB 2587 AGAACTGCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2646
QY 750 GlySerAspGlnAlaAspGlySerLysHisLeuProGlyCysLysPheGlnGlnLys 769
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DB 2707 CTGCGACAAATGACTGCTACTTCCAGACAGCAATGCAAAAGCAGAAATCAATGATAGCATG 2766
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DB 2767 GATACCTCAACCAAGGAGAGAAA 2790

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RESULT 5

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US-09-469-522-1
: Sequence 1, Application US/09469522
: Patent No. us-6,901,541A
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
:           Hu, Shi-Xue
:           Benedict, William F.
:           Zhou, Yunli
: TITLE OF INVENTION: MODIFIED REFIN-BLAST-MA TUMOR SUPPRESSOR
:                   PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Burkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4433
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1 0, Version #1 30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/469,522
: FILING DATE: 22-Dec-1999
: CLASSIFICATION: <unknown>
: PRIOR APPLICATION NUMBER:
: APPLICATION NUMBER: 09/000,400
: FILING DATE: <unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Hibler, David W.
: REGISTRATION NUMBER: 41,071
: REFERENCE/DOCKET NUMBER: UTXC:506
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 512/418-3000
: TELEFAX: 512/474-7577
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3555 base pairs

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: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7..2790
: SEQUENCE DESCRIPTION: SEQ ID NO: 1
US-09-469-522-1
Alignment Scores:
Pred. No.: 0 Length: 3555
Score: 4068.50 Matches: 797
Percent Similarity: 85.88% Conservative: 0
Best Local Similarity: 85.88% Mismatches: 0
Query Match: 98.18% Indels: 131
DB: 10 Gaps: 1
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DB 7 ATCCGCCCAAAACCCCTCCGAAAAACGGGCGGCAATGAGAGAGAGAGAGAGAGAGAGAGAG 66
QY 21 ProAlaProProProProProProProGluGluAspProGluGluAspSerGlyProGlu 40
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QY 41 AspleuProLeuValArgLeuGluPheGluGluThrGluGluProAspPheThrAlaLeu 60
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DB 187 TCTCACAATTAACATACACATATCTCCAGACACACACACACACACACACACACACACACACAC 246
QY 81 ValSerSerValAspGlyValLeuGlyGlyTyrIleGlnLysLysLysLysLysLysLysLys 100
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DB 667 TGTGCTCTGATATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTA 726
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QY 130 AlaArgIleAlaLysGlnLeuGluAsnAspThrArgIleGluValLeuCysLysGlu 149

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470 ThrAlaGlnAspMetTyrLeuSerProValArgSerProLysLysLysLysThrThr 489
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RESULTS
US-09-860-211-7
: Sequence 7, Application US/09460211
: Patent No. US20020137212A1
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GENERAL INFORMATION:
APPLICANT: Gregory, Richard J.
            Willis, Ken N.
            Maneval, Daniel C.
TITLE OF INVENTION: Recombinant Adenoviral Vector and
                    Methods of Use
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/860,211
FILING DATE: 18 May 2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/328,574
FILING DATE: 15 FEB-2000
APPLICATION NUMBER: US 08/142,669
FILING DATE: 25-OCT-1994
APPLICATION NUMBER: US 08/233,669
FILING DATE: 26 APR-1994
AUTHOR/AGENT INFORMATION:
NAME: Smith, Timothy S.
REGISTRATION NUMBER: 35,467
REFERENCE/DOCKET NUMBER: 016940-0009200S
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2995 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 139..2925
OTHER INFORMATION: /product = "RR"
                    /note = "retinoblastoma tumor suppressor"
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-860-211-7
Alignment Scores:
Pred. No.: 0 Length: 2995
Score: 4058.50 Matches: 796
Percent Similarity: 85.78% Conservatv: 0
Best Local Similarity: 85.78% Mismatches: 1
Query Match: 97.94% Indels: 131
DB: 10 Gaps: 1
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QY 1 MetProProLysThrProArgLysThrAlaAlaThrAlaAlaAlaAlaLacPro 20
Db 139 ATGCGCGGCAAAACCGCGCGGCAAAACCGCGCGGCGCGCGCGCGCGCGGAGCG 198
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Db 259 CACCTGGCTGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 418
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542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

RESULT 9

US-09-459-522-28

Sequence 28, Application US/09469522

Patent No. US20020151461A1

GENERAL INFORMATION:

APPLICANT: Xu, Hong-Ji

Benedict, William F.

Zhou, Yunli

TITLE OF INVENTION: MODIFIED PUTINOBLASTOMA TUMOR SUPPRESSOR

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSER: Arnold, White & Burke

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk


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DB 1810 GCGCTTCACACACACACACACACACACACACACACACACACACACACACAC 1869
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DB 1870 TATGCTATACATATATATATATATATATATATATATATATATATATATATAT 1929
QY 544 GluLeuGlnHisLeuLeuThrLeuPheGlnHisThrLeuGlnAsnGluTyrGluLeu 563
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QY 564 MetAspAsnArgHisLeuAspGlnLeuMetMetCysSerMetLysLysLysVal 583
DB 1990 ATACACACACACACACACACACACACACACACACACACACACACACAC 2049
QY 584 LysAsnLeuAspLeuLysPheLysLeuValThrAlaTyrLysAspLeuProHisAla 603
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QY 604 ValGluLeuThrPheLysArgValLeuLeuLysGluGluTyrAspSerLeuVal 623
DB 2110 GTTCAGACACATCAAACTGTTGATCAAGAGAGAGAGATGATGATGATGATGAT 2169
QY 624 PheTyrAsnSerValPheMetLeuArgLeuLysThrAsnLeuLeuGlnTyrAlaSerThr 643
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QY 644 ArgProProThrLeuSerProLeuProHisLeuProArgSerProTyrLysPheProSer 663
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QY 664 SerProLeuArgLeuProGlyAsnLeuLysLysLysSerProLysLysLys 683
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QY 724 SerAspArgValLeuLysArgSerAlaGluLysSerAspProProLysProLeuLysLys 743
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QY 744 LeuArgPheAspIleGluLysSerAspGluAlaAspGlySerLysHisLeuProGlyGlu 763
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QY 764 SerLysPheGlnGlnLysLeuAlaGluMetThrSerThrArgThrArgMetGlnLysGln 783
DB 2590 TGTAAATTCAGACAAAATGGACAAATATATATATATATATATATATATATATAT 2649
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DB 2650 AAAAAATGATAGCATGATGATGATGATGATGATGATGATGATGATGATGAT 2691

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RESULT 10
US-09-469-522-48
: Sequence 48, Application US/09469522
: Patent No. US20020151461A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Hong-Ji
: Hu, Shi-Xue
: Benedict, William F.
: Zhou, Yunli
: TITLE OF INVENTION: MODIFIED REINOLASIOMA TUMOR SUPPRESSOR
: PROTEINS
: NUMBER OF SEQUENCES: 51
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Durkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210-4433
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1 0, Version #1 30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09-469-522
: FILING DATE: 22-DEC-1999
: CLASSIFICATION: Unknown
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 09/026,459
: FILING DATE: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Hibler, David W.
: REGISTRATION NUMBER: 41,071
: REFERENCE/DOCKET NUMBER: UFXC:506
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 512/418-3000
: TELEFAX: 512/474-7577
: INFORMATION FOR SEQ ID NO: 48:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3383 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7..2619
: SEQUENCE DESCRIPTION: SEQ ID NO: 48
US-09-469-522-48

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Alignment Scores:
Pred. No.: 0 Length: 3383
Score: 3799.00 Matches: 755
Percent Similarity: 87.21% Conservative: 9
Best Local Similarity: 96.19% Mismatches: 28
Query Match: 91.67% Inserts: 84
DB: 10 Gaps: 6

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US-09-026-459a-45 (1-797) x US-09-469-522-48 (1-3383)
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DB 7 ATGCGGCTAAACACCGCGCAAAACCGCGCGCAACCGCGCGCGCGCGCGCGCGCAACCG 64
QY 21 ProAlaProProProProProProProProProProProProProProProProPro 40
DB 67 CAGACACACACACACACACACACACACACACACACACACACACACACACACACACAC 126
QY 41 AspLeuProLeuValArgLeuGluPheGluGluThrGluGluProAspPheThrAlaLeu 50
DB 127 GACCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 186
QY 61 CysGlnLysLeuLysIleProAspHisValArgGluAlaTrpLeuThrTrpGluLys 80

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ADDRESSEE: Arnold, White & Burke
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.40

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/469,522

FILING DATE: 22-Dec-1999

CLASSIFICATION: Unknown

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/026,459

FILING DATE: Unknown

ATTORNEY/AGENT INFORMATION:
NAME: Hubert, David W.

REGISTRATION NUMBER: 41,071

REFERENCE/DOCKET NUMBER: OIX-506

TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418,8000

TELEFAX: 512/474,7477

INFORMATION FOR SEQ ID NO: 46:

SEQUENCE CHARACTERISTICS:

LENGTH: 4113 base pairs

TYPE: nucleic acid

STRANDEDNESS: Single

TOPOLOGY: Linear

FEATURES:

NAME/KEY: CDS

LOCATION: 7..2449

SEQUENCE DESCRIPTION: SEQ ID NO: 46:

US 09 469 522 46

Alignment Scores:

Prod. No.: 0 Length: 4113
Score: 4500.000 Matches: 687
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 85.67% Indels: 0
Gaps: 0

US 09 026 459a 45 (1 797) x US 09 469 522 46 (1 4113)

27 111 AlaValThrProLeuAsnGlySerProArqThrProArqGlyValAsnArqSorAla 130
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289 GATGTAACAAATTAAGGATTAACGCGAAGACAGCGAGAGGATGAGAAACGAGATGCA 348
291 AATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 150
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449 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 408
|||||
451 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 170
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459 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 468
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471 SerLeuThrValThrSerAsnGlyLeuProGluValGluAsnLeuSerLysArgGly 190
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489 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 528
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589 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 648
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591 GATGTAACAAATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAGGATTAAG 250
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Db 649 CTTCATCAAGAGGTGAAGTAAATTCCTCCACACACATTCACUAGTAATGCTAAGAAAT 708
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Qy 271 SerTyrPheAsnAspCysThrValAsnProLysGluSerLleLeuLysArgValLysAsp 290
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Db 769 TCCATTTTAAACAATCGACAGTGAATCCAAAAGAAATATAATGAAAAGATGAGAGAT 828
Qy 291 TleGlyTyrLlePheLysGluLysPheAlaValAlaValGlyGlyGlyValGluLle 310
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Db 429 ATAGCATACATCTTAAACATAAATTCGGTAAAGCTCTGCGCAATGAGGCTGCTGCTGCT 888
Qy 311 GlySerGlnArgTyrLysLeuGlyValAlaPheLeuTyrTyrAlaValAlaMetGluSerMetLeu 330
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Qy 551 ThrLeuPheGluHisThrLeuGluAsnGluTyrGluLeuMetArgAspArgHisLeuAsp 570
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Qy 571 GlnLleMetMetCysSerMetTyrGlyLleCysLysValLysAsnLleAspLeuLysPhe 590
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1234 AAATTAAGAGTTTGAATTTTAAAGAGTCAAGCAAGTATATCAAAAGTCAAGCAAC 1293
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QY SerAspGluAlaAspGlySerLysHisLeuProLysIleSerLysPheGluGluLysLeu 770
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Job time : 139.18 secs

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